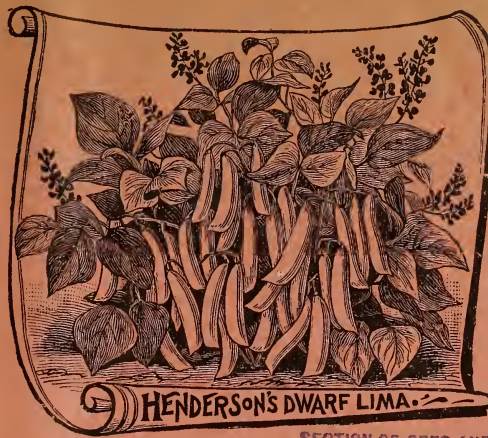


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Catalogue 1899



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SECTION OF SEED AND PLANT INTRODUCTION.

PACIFIC  
SEED (AND) PLANT  
COMPANY



Late Varieties

D. Dierssen Co.  
Proprietors

SACRAMENTO  
CAL.

Season

1899

# Pacific

## Seed and Plant Company

Sacramento, California

TO OUR FRIENDS AND PATRONS:

GREETING.—In presenting to you our Annual Catalogue, we take pleasure in thanking you for your liberal patronage, and most respectfully solicit a continuance of the same.

OUR VEGETABLE SEED.—We have spared neither pains nor cost to procure a fine quality, grown by the best and most reliable growers in America and Europe, and we feel confident that they will prove satisfactory in every respect.

OUR FLOWER SEED is imported from the best houses of Europe, and we have a large and choice stock to select from.

We are headquarters for Grass, Clover and Field Seeds, and can always fill orders promptly and at lowest market prices.

### WARRANTY.

No honest seedsman can sell seeds and be responsible for the growth thereof, as there are many contingencies continually arising to prevent the very best seed from giving satisfaction, such as sowing too deep, too shallow, in too wet or too dry soil, insects of all descriptions destroying the plants as soon as or before they appear, also other causes. We, therefore, do not guarantee, expressed or implied. We test our seeds before sending them out, and should they fail to grow we will cheerfully replace them or give other seeds to the same amount.

### SUGGESTIONS.

Place your order with us as early as possible, while our stock is complete; you will be sure of getting what you wish, besides having it handy when you are ready to plant. Use our order sheets when you have them, as they are more convenient, and there will be less danger of mistakes. Write your order separate from letter, as part of an order is often overlooked if placed in the body of a letter.

### IMPORTANT.

Be careful to *always write your name and address plainly*. We often receive orders without the name or address, and it is impossible to always trace them up. State the way you wish your orders forwarded, otherwise we will be compelled to use our own judgment. Send cash with your order (at our risk if sent by Postal or Express Order, or Draft on any good Banking House). Small sums may be sent in postage-stamps if proper care is taken to prevent adhesion.





# PACIFIC SEED AND PLANT CO.

## DESCRIPTIVE PRICE LIST

# TESTED SEEDS FOR 1899

OF

## Good Quality and Strong Vitality

---

We examine all new varieties, but do not include them in our list unless proved, after thorough test, to be of superior excellence. We do not hesitate to say that for *freshness* and *quality* our seeds can not be excelled by any other collection.

MARKET GARDENERS and others who use seed in large quantities will save money by writing for special quotations. Prices and information freely given.

### PREMIUMS ON SEEDS IN PACKETS AND OUNCES

For \$1.00, select seeds to the amount of     -     -     -     \$1.25

POSTAGE.—We prepay postage on all orders of seeds in *ounces* and *packets*, but when ordering by the half pound or upwards add at the rate of *eight* cents per pound. When postage is not inclosed, a sufficient quantity of seed will be deducted to cover the deficiency.

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## VEGETABLE SEEDS

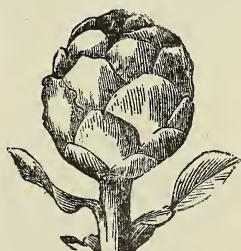
### ARTICHOKES

One ounce will produce 500 plants. Propagated by offset suckers or seed.

Sow early in spring in moist, rich soil, in drills 18 inches apart and 1 inch deep, dropping the seed from 3 to 4 inches apart in the drills. The following spring transplant to permanent beds in rows 4 feet apart and 2 feet between the plants. Being a perennial, when once planted it continues to bear for years.

**Large Green Globe**—The best for general cultivation. Price, per packet, 5c; per ounce 25c; per  $\frac{1}{4}$  pound, 80c; per pound, \$3 00. Strong 2-year old roots of this variety, \$2.00 per dozen.

**Jerusalem, or Tuberous-Rooted Artichoke**—Entirely distinct, and grown exclusively for their large potato-like roots, which are valuable for feeding hogs, the yield often exceeding two tons per acre. They need not be dug, but the hogs can be turned into the field to root them up; one acre will keep twenty head in good condition until spring. Price, per pound, 5c; per 100 pounds, \$4.00.



LARGE GREEN GLOBE.

## ASPARAGUS

One ounce will produce 600 plants and sow 50 feet of drill.

Sow in drills 12 to 14 inches apart, covering the seed from 1 to 2 inches. Thin out the seedlings, leaving the strongest plants. When the roots are one or two years old transplant to permanent beds, previously well manured and trenched to a depth of 2 feet. Plant in rows 3 feet apart and 2 feet between the plants in the rows; spread the roots well out, and let the crown be from 6 to 8 inches below the surface. Fair crops may be expected the third year from seed, and in one or two years from roots planted, according to age.

If ordered by mail add 8c per pound for postage.

**Columbian Mammoth White**—The largest, handsomest, and best-flavored variety in existence, producing pure white shoots that remain so as long as they are fit for use. Price, per packet, 5c; per ounce, 15c; per pound, \$1.00.

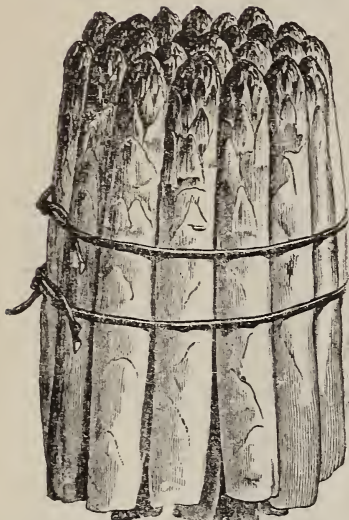
**Conover's Colossal**—A widely-cultivated variety, with large, tender stalks of good flavor. Price, per packet, 5c; per ounce, 10c; per pound, 40c.

**Palmetto**—A very early, large-growing variety of a bright green color; productive and of exquisite quality. Price, per packet, 5c; per ounce, 10c; per pound, 60c.

### ASPARAGUS ROOTS

If ordered by mail, add 25 cents per 100 for 1-year-old roots, and 50 cents per 100 for 2-year-old roots.

	Per 50	100	1,000
<b>Columbian Mammoth White.</b> Two-year-old...	\$1 00	\$1 50	\$10 00
<b>Conover's Colossal</b> .....	60	1 00	9 00
<b>Palmetto</b> .....	75	1 25	9 00



CONOVER'S COLOSSAL.

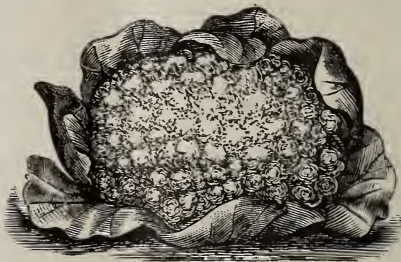
## BROCCOLI

One ounce to 2,000 plants.

Sow early in spring, and transplant and cultivate the same as cabbage. The broccoli is similar to the cauliflower. They will produce heads in October and November, and should any plant not be forward enough for use before severe frosts, let them be removed to a light cellar, where they will head during the winter. Price, per packet, 5c; per ounce, 35c; per  $\frac{1}{4}$  pound, \$1.00; per pound, \$3.00.

**Early Purple Cape**—This is the best for northern states, producing compact heads of a brownish purple and of good flavor. Price, per packet, 5c; per ounce, 40c.

**White Cape**—Not as early as the above; heads large, creamy white, close and sure to head. Price, per packet, 5c; per ounce, 40c.



WHITE CAPE BROCCOLI.



BRUSSELS SPROUTS.

## BRUSSELS SPROUTS

One ounce to 2,000 plants.

This is one of the best vegetables for winter use, producing from the axils of the leaves an abundance of sprouts resembling small cabbages. The sprouts are of excellent and mild flavor.

**Improved Dwarf**—The best variety of dwarf habit and very productive. Price, per packet, 5c; per ounce, 15c; per pound, \$1.50.

## DWARF OR BUSH BEANS

One pound will sow 100 feet of drill; forty pounds are required for an acre.

Ordered by mail, add 8 cents per pound for postage.

Under this head are classed all the low-growing sorts, variously called bush, snap, string, wax or French beans. They will thrive in any good soil. Plant the seeds 2 inches deep and 3 inches apart, in rows 2 feet apart. Keep well cultivated, as no crop better repays extra labor in this direction.

**Yosemite Mammoth Wax**—The monster pods of this variety average ten to fourteen inches in length, are nearly all solid pulp, and absolutely stringless, cooking tender and delicious. The plant is a vigorous grower, covering the ground with its heavy foliage. Price, per pound, 15c; per 100 pounds, \$8.00.

## DWARF OR BUSH BEANS—Continued

**Black Wax**—When ripe the pods are yellow, averaging 7 inches in length, very tender and of the best quality. Seeds when ripe glossy black. Price, per pound, 10c; per 100 pounds, \$7.00.

**Wardell's Kidney Wax**—White, with two shades of reddish purple more or less visible, and a distinct kidney shape. Prepared for the table it has a fine buttery flavor and is one of the leading snap beans, as well as being a strongly-indorsed winter shell sort. Price, per pound, 10c; per 100 pounds, \$7.00.

**Golden Wax**—One of the best dwarf beans grown. Pods are large, long and brittle and entirely stringless. They are of a rich golden wax color and six days earlier than the ordinary wax; very fine, both as a snap bean and a shell bean, for winter use. Price, per pound, 10c; per 100 pounds, \$7.00.

**Crystal White Wax**—Are similar to the ivory pod. They are crisp, tender, and of a rich flavor. The pods develop quickly and retain their tenderness longer than any other sort. Price, per pound, 10c; per 100 pounds, \$7.00.

**Cleveland's Round Pod Valentine**—One of the best and most prolific of the green-pod varieties. It is early and of good size, and highly recommended by market gardeners. Price, per pound, 10c; per 100 pounds, \$7.00.

**China Red Eye**—An early sort and is largely cultivated in California by market gardeners, and is good either as a snap or a dry shell bean. Price, per pound, 10c; per 100 pounds, \$7.00.

**Early Mohawk**—It is one of the hardiest varieties and will endure some frost. It is a good snap bean and an elegant pickling variety. The pods are from five to six inches long. Price, per pound, 10c; per 100 pounds, \$7.00.

**Early Refugee**—It is enormously prolific. It germinates very quickly and is a sure bearer; pods silvery green color, and quality unexcelled, being exceptionally free from strings and tender in all stages of its growth. Price, per pound, 10c; per 100 pounds, \$7.00.



IMP. RED VALENTINE.

**Yellow Six Weeks**—Extra early; vine large, vigorous, branching, and very productive; pods straight and flat and of fair quality; beans long, kidney shape, yellow with darker marks around the eye; an excellent variety for general crop. Price, per pound, 10c; per 100 pounds, \$7.00.

**Burpee's Bush Lima**—Grows from 18 to 20 inches high, erect and branching so vigorously that each plant develops into a bush 2 or 3 feet in diameter. It yields immensely, bearing handsome, large, well-filled pods, the beans being identical in size and flavor with the well-known large pole limas. Price, per pound, 10c; per 100 pounds, \$7.00.

**Henderson's Bush Lima**—Similar to the above in many ways, only the pods are smaller. Price, per pound, 10c; per 100 pounds, \$7.00.

**Broad Windsor**—Particularly valuable from its habit of ripening unequally, some pods being quite full, while others are in various stages of filling, yielding a considerable supply daily for a considerable length of time. Price, per pound, 8c; per 100 pounds, \$5.00.



All Beans may be had in 5-cent packets if desired.

## BEANS, POLE OR RUNNING

One pound will plant 50 hills; 30 pounds will plant an acre.

If ordered by mail, add 8 cents per pound for postage.

**Kentucky Wonder**—Vine vigorous, climbing well and very productive, bearing its pods in large clusters; blossoms white; pods green, very long, often reaching 9 to 10 inches, nearly round when young, and very crisp, becoming very irregular and spongy as the beans ripen; dry beans long, oval, dun colored; a very prolific sort with showy pods, which are most excellent for snaps. Price, per pound, 15c; per 100 \$9.00.

**Cut Short, or Corn Hill**—Largely used for planting among corn, where it gives an excellent crop without the use of poles. Price, per pound, 10c; per 100, \$8.00.

**Dutch Case Knife**—One of the earliest; used as a shelled bean, green or dry. Price, per pound, 10c; per 100 pounds, \$8.00.

**Golden Cluster Wax**—Distinct in seed, in color, and habit of growth. Pods 6 to 8 inches long, borne in abundant cluster of from 3 to 6 pods; broad, very thick, and fleshy, of a bright golden color; of the very best quality, and remaining in condition a long time. Price, per pound, 15c; per 100 pounds, \$12.00.

**Horticultural, or Speckled Cranberry**—Popular old favorite; useful either green or dried. Price, per pound, 10c; per 100 pounds, \$7.00.

**King of the Garden Lima**—The very best lima bean grown; early, large, and prolific, and in quality without a rival. Price, per pound, 10c; per 100 pounds, \$9.00.

**Large White Lima**—Always popular, and only surpassed by other sorts in earliness. Price, per pound, 10c; per 100 pounds, \$6.00.

**Lazy Wife**—The pods of this variety retain their rich, tender, and stringless qualities until nearly ripe, and at all stages of their growth are really delicious. Price, per pound, 10c; per 100 pounds, \$6.00.

**Southern Prolific**—Desirable for snap beans; matures in seventy days; bears its pods in clusters; very popular in the South. Price, per pound, 10c; per 100 pounds, \$8.00.

**Scarlet Runner**—A great favorite, both ornamental and useful. Height 10 feet, presenting dazzling scarlet flowers from July to October. Used both as string bean and shelled. Price, per packet, 10c; per pound, 15c.

**White Dutch Runner**—Similar to the preceding, excepting seeds and flower, which are white. Price, per packet, 10c; per pound, 15c.

## BEETS

One ounce to 50 feet of drill; 4 pounds to the acre.

**Crosby's Egyptian**—The earliest beet in the market. A selection from that standard market beet, early Egyptian, which retains the earliness of the parent stock, and has added thickness, giving it a more desirable shape; it is the deepest red, almost black in color, and is of finer quality than the Egyptian, being sweeter and even more tender and smoother. The most desirable sort for small beets for early market, as it is in presentable shape quicker than any other sort. It is a very rapid grower and can be sown outside as late as July. Price, per ounce, 10c; per pound, 60c.



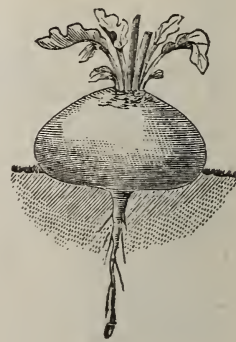
CROSBY'S EGYPTIAN.

**Columbia**—A valuable new variety, with smooth skin and deep blood-red flesh, of rich, tender quality; matures early, but does not become stringy when allowed to grow full size. It has small foliage of a rich bronze color, and is the best for market or private use. Price, per ounce, 10c; per pound, 50c.

**Eclipse**—An extra early sort, with dark-red flesh, zoned with a lighter red; very sweet, crisp, and tender. Price, per ounce, 10c; per pound, 40c.

**Egyptian**—Unsurpassed for earliness and general excellence of quality and all other good points that go to make a perfect beet. Price, per ounce, 10c; per pound, 50c.

**Swiss Chard, or Spinach Beet**—Cultivated for its leaf stalks, which are served like asparagus or spinach. Price, per ounce, 10c; per pound, 60c.



EARLY BLOOD TURNIP.

**Bassano, Blood Turnip, Edmonds' Extra Early, and Long Smooth**—Price each, per packet, 5c; per ounce, 10c; per pound, 40c.

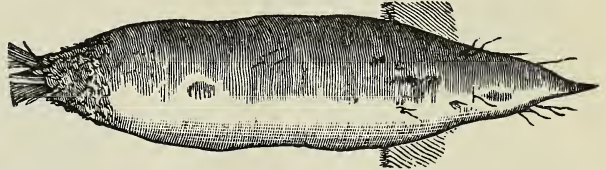
## MANGEL WURZEL AND SUGAR BEETS

Five or six pounds will sow one acre. Largely grown for feeding stock.

The seed should be planted in rows 2 feet apart and thinned to eight inches in the rows. To obtain the best results from this crop, use deep soil, well plowed; if the soil is thin, a liberal application of an honest chemical fertilizer is necessary. The value of beets for stock feeding can not be overestimated. The results from their use are clearly shown in the improved breadth and condition of animals, the increased yield of milk in cows, and the great saving of hay. They can be raised at a very trifling cost, and yield immensely.

**The Pacific Long Red Mangel**

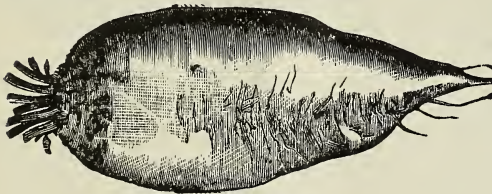
—This is an enormously productive variety, yielding from 50 to 70 tons to the acre, a single root often weighing from 20 to 30 pounds. It is the best long red mangel, and of the greatest value for stock feeding. They grow well aboveground, and are easily pulled. Our strain is an extra selection of the largest and thickest mangels, representing the true type. Price, per pound, 30c.



LONG RED MANGEL.

**Golden Tankard Mangel Wurzel**—Considered indispensable by the best dairymen, on account of its productiveness and richness in saccharine matter; flesh and skin a deep yellow. Price, per ounce, 5c; per pound, 25c.

**Lane's Improved Sugar Beet**—A popular variety, yielding as high as thirty tons per acre; the roots are of large size and symmetrical. Price, per ounce, 5c; per pound, 25c.



WHITE SUGAR BEET.

**Mammoth Long Red Mangel Wurzel**—This variety grows to an immense size, and is the most desirable sort to grow for stock feeding. Price, per ounce, 5c; per pound, 20c.

**Orange Globe Mangel Wurzel**—Useful in shallow ground; productive and a good keeper. Price, per ounce, 5c; per pound, 25c.

**Red Globe Mangel Wurzel**—Similar to the preceding, except in color. Price, per ounce, 5c; per pound, 30c.

**White Sugar Beet**—A large growing French variety, excellent for sugar and for stock feeding. Price, per ounce, 5c; per pound, 25c.

## CABBAGE

One ounce to 2,000 plants.



Cabbages require a deep, rich soil and thorough working. The seed for early crops should be sown in hot-beds, and when large enough, transplant in rows eighteen inches apart each way. The large and later kinds should be planted two feet apart each way. The plants should be set down to first leaf, so that the stem is all below the surface of the ground; hoe often. Our seed is grown from the finest selected strains obtainable.

## CABBAGE—Continued



JERSEY WAKEFIELD.

be grown mainly for midsummer use, also valuable as a fall or winter variety, as its firm, solid head makes it an excellent keeper. Price, per packet, 5c; per ounce, 15c; per pound, \$1.70.

**Drumhead Savoy**—The Savoy cabbages are the finest flavor of all; finely crimped and netted and yet make a compact, solid head; dark green. Price, per packet, 5c; per ounce, 15c; per pound, \$1.50.



EARLY WINNINGSTADT.

**STRONG PLANTS** of any of above kinds, 40c per 100, \$3.00 per 1,000.

**Large Jersey, or Charleston Wakefield**—This sort forms heads considerably larger than the Early Wakefield; they are uniform, large, and solid, and only a few days later. This sort is largely planted by market gardeners in the south, and will be just as early on clay ground as the Early Wakefield. It is the best large, early cabbage. Price, per packet, 5c; per ounce, 20c; per pound, \$1.70.

**Henderson's Early Summer**—Heads about ten days later than the Jersey Wakefield. It may be classed as the best large early cabbage. In weight it is equal to most of the late varieties. Its short outer leaves enable it to be planted as close as the Jersey Wakefield. Price, per packet, 5c; per ounce, 15c; per pound, \$1.70.

**Succession Cabbage**—Early maturing; later than early summer and twice its size. This variety will



SUCCESSION.

**Premium Flat Dutch**—No cabbage is so universally grown as this because the seed may be sown in the open ground and the young plants raised without the use of hot-beds—hence it is a universal favorite for general use. For heading, evenness of crop and size our strain of this can not be surpassed. Price, per packet, 5c; per ounce, 15c; per pound, \$1.50.

We carry in stock the following well-known good varieties, and offer at the uniform price of 5c per packet, 15c per ounce, \$1.25 per pound: Early York, All Seasons, Red Rock, Early Winningstadt, Fottler's Brunswick, Autumn King, Surehead, Large Lake Drumhead, Marblehead Mammoth.

## CAULIFLOWER

Cultivate the same as cabbage.

No seed is more important than this, as every gardener knows. It is one of the seeds in buying which the price should not be the only consideration.

**Extra Early Erfurt**—A very fine strain, producing large, white, firm heads; close and of excellent quality. It is dwarf, extra early and always certain to head; good for early or late. We sell this largely to gardeners, who prefer it to snowball. Price, per packet, 15c; per ounce, \$1.50.

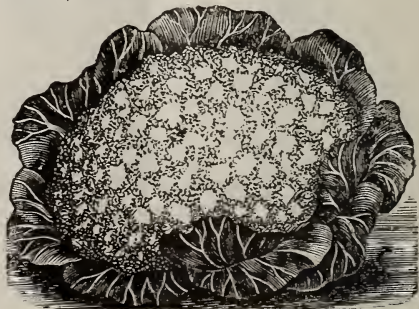
**California Wonder**—This variety comes into market soon after the Early Snowball, producing much larger heads, and of the finest quality. It has been extensively grown for market the past season. The demand for this favorite kind is great. Price, per packet, 10c; per ounce, \$1.00; per pound, \$10.00.

**Early Snowball**—The earliest and best heading variety cultivated; dwarf habit and short outer leaves. Price, per packet, 10c; per ounce, \$1.50; per pound, \$15.00.

**Extra Early Paris**—A standard early variety. Price, per packet, 5c; per ounce, 50c; per ¼ pound, \$1.75; per pound, \$6.50.

**Half-Early Paris**—Price, per packet, 5c; per ounce, 60c.

**Lenormand's Short Stem Mammoth**—Heads of good substance. Price, per packet, 5c; per ounce, 50c; per ¼ pound, \$1.75; per pound, \$6.50.



EARLY SNOWBALL.

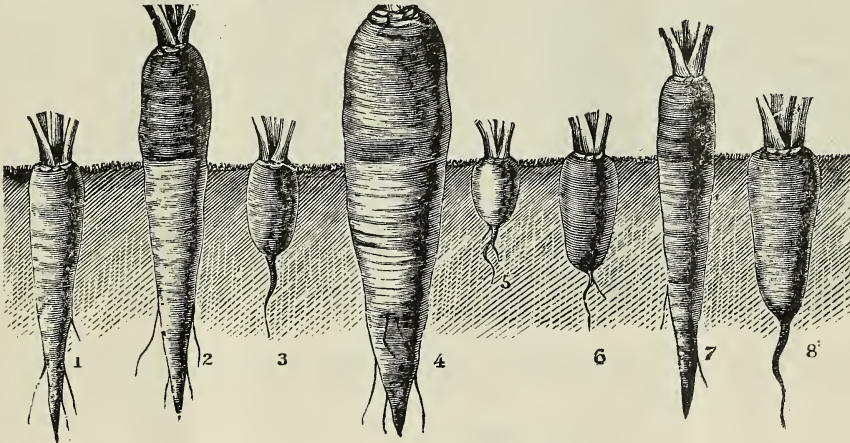
### CAULIFLOWER—Continued

**Walcheren**—A late sort; large, white head. Price, per packet, 5c; per  $\frac{1}{2}$  ounce, 30c; per ounce, 60c.  
**Autumn Giant**—Well protected by foliage. Price, per packet, 5c; per ounce, 50c; per  $\frac{1}{4}$  pound, \$1.75.  
**Algiers**—One of the largest and best for late. Price, per packet, 5c; per  $\frac{1}{2}$  ounce, 85c; per ounce, 65c.  
**STRONG PLANTS OF ABOVE: California Wonder, Erfurt, and Snowball**, 75c per 100; per 1,000, \$5.00. The remaining varieties, 50c per 100; \$4.00 per 1,000.

### CARROTS

One ounce will sow 150 feet of drill; 3 pounds are required for an acre.

If ordered by mail, add 8 cents per pound for postage.



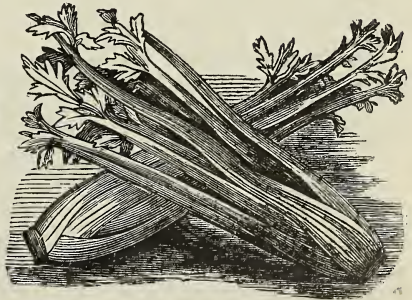
- No. 5. Earliest French Forcing**—Roots small, globe-shaped, delicious flavor; the very best early. Price, per packet, 5c; per ounce, 10c; per pound, 50c.  
**No. 3. Early Scarlet Horn**—Deep red flesh; tender and delicate. Price, per packet, 5c; per ounce, 10c; per pound, 50c.  
**No. 6. Guerande, or Oxheart**—A thick-growing variety, five or six inches long, and very blunt at the lower extremity; grows very rapidly, is tender and of good flavor, and a variety we can recommend for either market or family use. Price, per ounce, 10c; per pound, 50c.  
**No. 7. Improved Long Orange**—The best main crop variety; of a deep orange-red color; a good keeper, and highly nutritious for stock. Price, per ounce, 10c; per pound, 50c.  
**No. 4. Large White Belgian**—The most desirable variety for stock-feeding; attains the largest size, and yields more per acre than any other sort. Price, per ounce, 10c; per pound, 40c.  
**No. 1. Chantenay**—Handsome roots, smoother and more uniform than Danvers; crisp and tender flesh. Price, per ounce, 10c; per pound, 60c.  
**No. 8. Danvers Half-long Orange**—In form midway between the Long Orange and Short Horn; of a rich, dark orange color, and very smooth. Price, per ounce, 10c; per pound, 50c.

### CELERY

One ounce will produce 7,000 plants.

Sow in light, rich soil, in shallow drills, and cover the seed lightly with finely-sifted mold. Prick the seedlings out into beds of very rich soil, 3 inches apart. Water freely and shade from sun until established. When the plants are 5 to 6 inches high, transplant to rows 3 to 4 feet apart, according to the variety, allowing 8 inches between the plants in the row. Cultivate freely and earth up to blanch the stems.

**Golden Self-Blanching**—A most valuable variety, which partakes somewhat of the character of the celebrated "White Plume," inasmuch as it simply needs a slight earthing up or "handling." It is of a beautiful waxy golden color, very solid and of a rich nutty flavor. Price, per packet, 5c; per ounce, 20c; per pound, \$1.75.



SELF-BLANCHING.

## CELERY—Continued



WHITE PLUME.

**White Plume Celery**—A desirable feature of this celery is that naturally its stalks and heart are white, so that by closing the stalks, by simply drawing the soil up against the plant and pressing it together with the hands, the work of blanching is completed. It is the earliest celery in cultivation. Price, per packet, 5c; per ounce, 15c; per pound, \$1.25.

**Boston Market**—A vigorous grower, and very branching; an excellent keeper, and is remarkably tender, crisp and solid. The best variety for light soils. A late keeper. Price, per packet, 5c; per ounce, 15c; per pound, \$1.50.

**Perfection Heartwell**—The stalks are medium sized, round, very solid, crisp, and tender. A favorite with many. Price, per packet, 5c; per ounce, 15c; per pound, \$1.50.

**Giant White Solid**—Fine, large size, tall and of stiff growth. Blanches white and crisp. Price, per packet, 5c; per ounce, 15c; per pound, \$1.50.

**Dwarf White Solid**—Dwarf, white, of stiff, close habit; solid, crisp, and juicy. Said to keep in good order later in the season than any other variety. Price, per packet, 5c; per ounce, 15c; per pound, \$1.50.

**Flavoring Celery (Old Seed)**—Used for flavoring soups, pickles, etc. Price, per ounce, 5c; per pound, 30c.

**Celeriac** (Turnip-rooted Celery)—Produces turnip-shaped roots which may be cooked and sliced and used with vinegar, making excellent salad. Price, per packet, 10c; per ounce, 25c; per pound, \$3.00.

Healthy Plants of above varieties, ready in March, 25c per doz., \$1.00 per 100.

## COLLARDS

Is used in place of cabbage, and grows where it is difficult to make cabbage head. Cultivate the same as cabbage. Price, per packet, 5c; per ounce, 10c; per pound, \$1.00.

## CHICORY

One ounce to 100 feet of drill.

This is grown to mix with or as a substitute for coffee. It requires the same cultivation as carrots. Price, per packet, 5c; per ounce, 10c; per pound, \$1.00.

## CRESS, OR PEPPER GRASS

One ounce to 100 feet of drill.

Well known as a pungent salad. It should be sown thickly and at frequent intervals for succession. It quickly runs to seed. Cover very slightly in planting.

**Double or Triple Curled**—It is very fine, and can be cut two or three times. Price, per packet, 5c; per ounce, 10c; per pound, 75c.

**Water Cress**—Is a perennial, and will grow in and alongside of streams and ponds. It has a very pleasant pungent taste. Price, per packet, 5c; per ounce, 40c.



CHICORY.

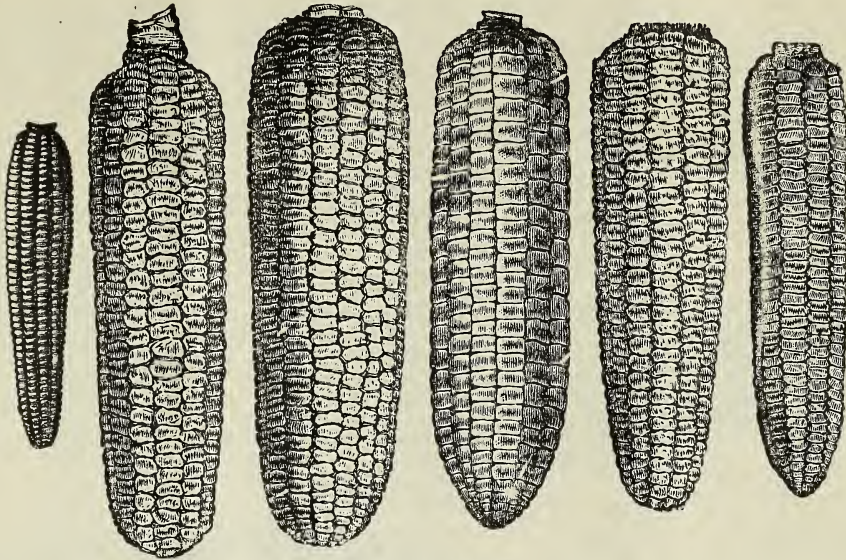
## CORN

Our seed corn is all eastern grown and will be found of the highest grade of quality and germinating power.

One pound will plant one hundred hills; eight pounds will plant one acre. Plant in hills three feet apart each way, covering about half an inch, and thin out to three plants to a hill. Field varieties should be planted four feet apart each way; hoe and cultivate frequently.

If ordered by mail add 8 cents per pound for postage.

## CORN—Continued



STANDARD VARIETIES.

## Sweet or Sugar Corn

**Adam's Extra Early**—The hardiest and earliest variety for table use; it can be planted earlier than any other, but is not a sweet corn; white, indented grains and short ear. Price, per pound, 10c; per 100 pounds, \$9.00.

**Black Mexican**—Sweet and desirable for family use; when dry the kernels are black, but the corn, when in condition for the table, cooks remarkably white and is not excelled in tenderness by any other sort. Price, per pound, 10c; per 100 pounds, \$7.00.

**Early Crosby**—One of the best early sorts; of dwarf habit, good-sized ears. Price, per pound, 10c; per 100 pounds, \$7.00.

**Early Minnesota**—Small ears of excellent quality; very productive. Price, per pound, 10c; per 100 pounds, \$7.00.

**Extra Early Cory**—Very early; good-sized ears, large kernels. Price, per pound, 10c; per 100 pounds, \$7.00.

**Hickox Improved**—From one to two weeks earlier than evergreen; has a large, attractive ear with white cob and grain, and remains in condition for use a long time. Price, per pound, 10c; per 100 pounds, \$7.00.

**Late Mammoth**—The largest variety grown; excellent for market. Price, per pound, 10c; per 100 pounds, \$7.00.

**Perry's Hybrid**—Very early; large size; succulent and tender. Price, per pound, 10c; per 100 pounds, \$7.00.

**Squantum**—Of larger size than usual for the early kinds. It is remarkable for fine flavor, sweetness, and earliness, and is desirable for canning. Price, per pound, 10c; per 100 pounds, \$8.00.

**Stowell's Evergreen**—The best and one of the sweetest; ears large, remaining green longer than any other variety. Price, per pound, 10c; per 100 pounds, \$7.00.

## Sweet Corn

**Gold Coin Sweet Corn**—This is a remarkably distinct and handsome variety. It is sweet, delicate in flavor, and ten days earlier than the Stowell's Evergreen. Price, per pound, 10c; per 100 pounds, \$7.00.

## Field Corn

**Dakota Dent**—The earliest variety grown; a superior selection. Price, per pound, 8c; per 100 pounds, \$6.00.

**Early Canada**—The earliest yellow flint corn; eight-rowed and small cob; produces two or more ears to the stalk. Price, per pound, 7c; per 100 pounds, \$6.00.

**Hickory King**—Extremely large grain and small cob; white dent. Price, per pound, 8c; per 100 pounds, \$6.00.



## FIELD CORN—Continued

**Kansas King**—A new variety of medium high and very strong stalks, generally bearing two ears to the stalk; the grains are white and very large, while the cob is small, like Hickory King; the ears weigh heavy, averaging nearly 1 pound each, and have 10 to 14 rows. Price, per pound, 9c; per 100 pounds, \$7.50.

**Improved Leaming (Yellow Dent)**—Ears of good size, cob red and small, with a deep, large grain of bright yellow; very early, and does well where other varieties of Dent fail. Price, per pound, 8c; per 100 pounds, \$6.00.

**Pride of the North**—A very early Golden Dent variety; short, well-filled ears, 12 to 16 rowed. Price, per pound, 8c; per 100 pounds, \$7.00.

## CUCUMBERS

**Long Green**—An old standard sort of superior quality, firm and crisp; very productive. Price, per packet, 5c; per ounce, 10c; per pound, 50c.

**Gherkin, or Burr**—A small, oval-shaped pickling variety, and only used for that purpose. Price, per packet, 5c; per ounce, 10c; per pound, \$1.00.

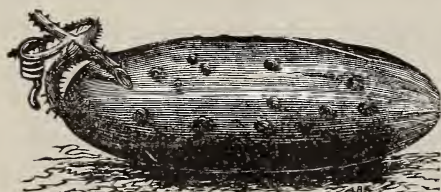
**Giant Pera**—One of the largest long green cucumbers; skin perfectly free from spines; flesh crisp and white. Price, per packet, 5c; per pound, 10c; per pound, 50c.



LONG GREEN.

**Green Prolific (Boston Pickling)**—Very early and productive, of small size and good form, tender and crisp; the most popular variety for pickling. Price, per packet, 5c; per ounce, 10c; per pound, 50c.

**Improved White Spine**—Early and productive; the fruit is of good size and very well formed. Price, per packet, 5c; per ounce, 10c; per pound, 50c.



NICHOL'S MEDIUM GREEN.



GHERKIN, OR BURR.



**Early Russian**—Earliest of all; small and good. Price, per packet, 5c; per ounce, 10c; per pound, 55c.

**Early Frame, or Early Short Green**—For slicing and pickling. Price, per packet, 5c; per ounce, 10c; per pound, 50c.

**Early Green Cluster**—A short, prickly, seedy variety. Price, per packet, 5c; per ounce, 10c; per pound, 50c.

**Nichol's Medium Green**—Cucumbers thick through; full at both ends. Price, per packet, 5c; per ounce, 10c; per pound, 50c.

## EGG PLANT

**Black Pekin**—Fruit round and solid and jet black. Price, per ounce, 40c; per pound, \$4.00.

**Long Purple**—Early, hardy and productive. Price, per ounce, 30c; per pound, \$3.50.

**New York Improved**—The best; very large and of fine quality. Price, per ounce, 40c; per pound, \$4.00.

**Strong Plants in March, 25c per dozen, \$1.00 per 100.**

## ENDIVE

**Green Curled**—The hardest variety; curled, dark-green leaves, which blanch white and crisp. Price, per package, 5c; per ounce, 10c; per pound, \$1.00.

**White Curled**—This is the most beautiful variety; the midrib is yellow, and the leaves are almost white. Price, per package, 5c; per ounce, 10c; per pound, \$1.25.

**Broad-Leaved Batavian**—Forms large heads of broad, thick leaves, used for flavoring soups and stews, while, if blanched, the inner leaves make a fine salad. Price, per packet, 5c; per ounce, 10c; per pound, \$1.00.



NEW YORK EGG PLANT.

**KALE, OR BORECOLE**

Cultivate the same as Cabbage.

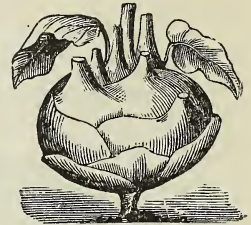
**Kale, or Borecole**—Dwarf curled Scotch or German greens; compact grower; crisp green leaves, tender and delicate in flavor; makes excellent greens for winter and spring use. Price, per packet, 5c; per ounce, 10c; per pound, 75c.

**Green Curled Scotch**—Similar to above, except in height, which is about 2½ feet. Price, per packet, 5c; per ounce, 10c; per pound, 60c.

**KOHL RABI**

**Early White Vienna**—Very early, small, handsome bulb; best variety for table use. Price per packet, 5c; per ounce, 20c; per pound, \$1.75.

**Early Purple Vienna**—Identical with the preceding, except in color, which is a bright purple, with the leaf stems tinged with purple. Price, per packet, 5c; per ounce, 25c; per pound, \$2.00.



KOHL RABI.

**LEEK**

One ounce will sow 100 feet of drill.

Succeeds best in a light, rich soil; sow in drills 1 inch deep and 1 foot apart; when 6 or 8 inches high transplant in rows 10 inches apart and set deep, so as to blanch as much of the neck as possible.

**American Large Flag**—Of strong, vigorous growth; the best of all. Price, per packet, 5c; per ounce, 20c; per pound, \$1.25.

**Giant Carentan**—A favorite European sort, of mild flavor. Price, per packet, 5c; per ounce, 20c; per pound, \$1.25.

**Large Rouen**—Grows to large size; hardy and of excellent quality. Price, per packet, 5c; per ounce, 20c; per pound, \$1.25.

**LETTUCE**

One ounce will sow 200 feet of drill, and produce about 2,000 plants.

Sow thinly in rows 1 foot apart, and thin out to 8 or 12 inches apart. To produce handsome heads, crisp and tender, a very rich, moist soil is necessary; give plenty of water, and keep the soil thoroughly cultivated. If sown every two or three weeks, lettuce may be had the entire season.

**Grand Rapids Forcing**—The best sort for shipping. This grand new forcing variety stands more neglect in the way of watering and ventilation, will grow more weight on the same ground, and stand longer after matured than the Black Seeded Simpson. It is of handsome appearance, a strong grower, and not apt to rot, and will keep from wilting longer while exposed for sale than any other. Its upright habit admits of very close planting. A quick grower. Price, per packet, 5c; per ounce, 15c; per pound, \$1.00.

**Improved Hanson**—Forms very large, firm heads, resembling a cabbage, which are deliciously sweet, crisp, and tender; heads green outside and white within; for outdoor culture unexcelled. It is one of the best heat-resisting sorts. Price, per packet, 5c; per ounce, 10c; per pound, \$1.00.

**Denver Market Forcing**—An early variety of head lettuce, either for forcing or open ground. It forms large, solid heads of good, light green color, and is very slow to go to seed. The leaves are beautifully marked and blistered (like the Savoy Cabbage), very crisp and tender, and of excellent flavor. Price, per packet, 5c; per ounce, 15c; per pound, 75c.

**Boston Market**—Hardy and crisp; the earliest heading variety, and one of the best for forcing. Price, per packet, 5c; per ounce, 15c; per pound, 75c.

**Early Summer Cabbage**—One of the very best head lettuces for the summer that we know of. The heads are of good size, close and well formed. It is a splendid market variety. Price, per packet, 5c; per ounce, 10c; per pound, 75c.

**Paris White Cos, or Romaine**—Forms long, upright heads of narrow leaves, which are crisp and refreshing; a favorite with the French people. Price, per packet, 5c; per ounce, 15c; per pound, \$1.00.

**Prize Head**—An early variety, forming a dense cluster of beautiful bronzed leaves, remaining tender, crisp, and sweet for a very long time. Price, per packet, 5c; per ounce, 15c; per pound, \$1.00.

**Salamander**—Stands more heat, without running to seed, than any other sort. Price, per packet, 5c; per ounce, 15c; per pound, 90c.

**Early Curled Silesia**—A leading early sort for cutting. Price, per packet, 5c; per ounce, 15c; per pound, 75c.

**Early Curled Simpson**—Loose heads; early and tender. Price, per packet, 5c; per ounce, 15c; per pound, 75c.

**Black-Seeded Simpson**—Larger in size and lighter in color. Price, per packet, 5c; per ounce, 15c; per pound, 75c.

**Big Boston**—Large heads; fine for forcing late. Price, per packet, 5c; per ounce, 15c; per pound, 75c.

**Boston Curled**—Of superior quality; does not form solid heads; fine for early use. Price, per packet, 5c; per ounce, 10c; per pound, 75c.

**Deacon**—Makes solid heads of excellent flavor, and remains in condition for use a long time; the heart is of the most beautiful cream-yellow and delicious, rich, and buttery flavor. Price, per packet, 5c; per ounce, 15c; per pound, 75c.



LEEK.

## MUSKMELONS

One ounce will plant 80 hills; two pounds will plant an acre.

A light, warm, rich soil is essential for this crop. Plant in hills six feet apart each way, using six to eight seeds in the hill. After all danger of destruction by bugs is over, thin out to three plants to a hill; when about one foot long pinch off the tips to make them branch. This strengthens the growth of the vines, and makes the fruit mature early. To protect the vines from bugs, sprinkle with slug-shot, the best insecticide we know of.

If ordered by mail, add eight cents per pound for postage.

**The Banquet**—A medium-sized melon of perfectly round shape, densely netted over its entire surface. The flesh is dark rich salmon color; and uniformly thick. In flavor it is unsurpassed, rivaling the Emerald Gem. Price, per packet, 5c, per ounce, 10c; per pound, 60c.



EXTRA EARLY HACKENSACK.



CHAMPION MARKET.

**Extra Early Hackensack**—This is a selection of the old Hackensack, which it resembles, but is fully ten days earlier. The melons weigh from four to ten pounds, and are of excellent flavor. Those who grow for market should remember that it is one of the best, as well as the earliest, hardiest, and most prolific of Netted Muskmelons. This stock was grown for us by a most reliable Eastern seed grower, and is the best type we have ever seen. Price, per packet, 5c; per ounce, 10c; per pound, 60c.

**Champion Market**—The flesh is thick, light green in color, and of very rich, sweet flavor. It is as early as the Netted Gem, which it resembles in shape and appearance, but is fully three times larger; very prolific and a good shipper. Price, per packet, 5c; per ounce, 10c; per pound, 60c.

**Miller Cream Nutmeg Melon**—The flesh is of a rich salmon color, very thick, sweet and melting in quality. The rind is very thin, slightly sutured and finely netted. Vines are strong and are very productive, covering the ground with fruit. They retain their bright, fresh appearance, and remain solid several days after being pulled. Price, per packet, 5c; per ounce, 10c; per pound, 60c.



MILLER CREAM NUTMEG.



MONTREAL IMPROVED.

**Emerald Gem Melon**—Is of superior flavor and quality. The outside skin is an emerald green color and quite smooth. They ripen early and produce well. The flesh is light red or salmon, very thick, juicy, and luscious in flavor. Price, per package, 5c; per ounce, 10c; per pound, 60c.

**Montreal Green Nutmeg**—Nearly round, slightly flattened at the ends, with a densely netted green skin. They grow to a large, uniform size, averaging fifteen to twenty pounds in weight. The flesh is remarkably thick and of good flavor. Owing to its large and handsome appearance, it sells rapidly at high prices. Price, per packet, 5c; per ounce, 10c; per pound, 60c.

The following varieties can be supplied at the uniform price of packet, 5c; ounce, 10c; pound, 50c:

Bay View

Early Hackensack

Large Yellow Cantaloupe

Delmonico

Improved Christiana

Skillman's Netted

Netted Gem

Jenny Lind

Surprise

## WATERMELONS

**Imperial Lodi**—A large, solid, cream-colored melon, with flesh deep red, of a rich, delicious flavor, with only half an inch of rind, white seeded. Price, per packet, 5c; per ounce, 10c; per pound, 60c.

**Cuban Queen**—Skin beautifully striped dark and light green; flesh bright red, very solid, crisp, and sugary; grows to an enormous size and is very productive. Price, per packet, 5c; per ounce, 10c; pound, 60c.

**Dixie**—We consider this the best watermelon there is; the vines are vigorous, hardy, and prolific; the fruits large, oblong, striped; rind thin and tough; flesh bright scarlet, very sweet, tender, and juicy. Price, per packet, 5 ; per ounce, 10c; pound, 60c.

**Florida Favorite**—Of medium size; striped light and dark green; flesh deep red, crisp, and deliciously sweet. Price, per packet, 5c; per ounce, 10c; pound, 60c.

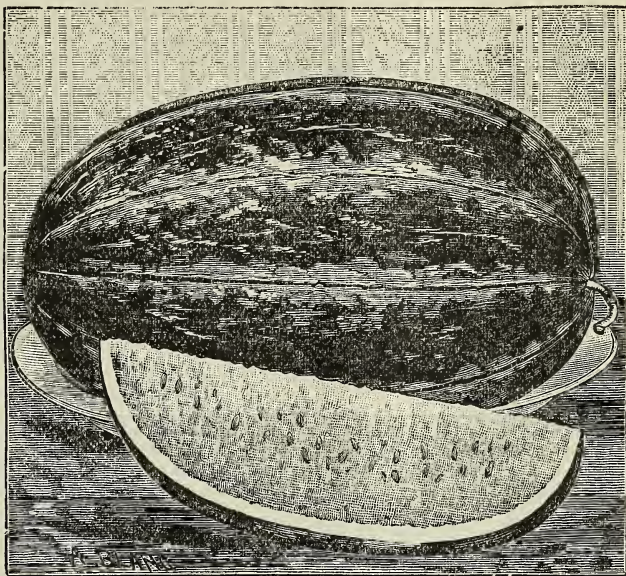
**Georgia Rattlesnake, or Gypsy**—A large, early variety; oblong; skin green mottled and striped; rind thin; flesh crimson and fine flavored; planted extensively in California. Price, per packet, 5c; per ounce, 10c; per pound, 60c.

**Gray Monarch, or Light Icing**—A very large variety, light green in color; flesh light red, tender, and sweet. Price, per packet, 5c; per ounce, 10c; per pound, 50c.

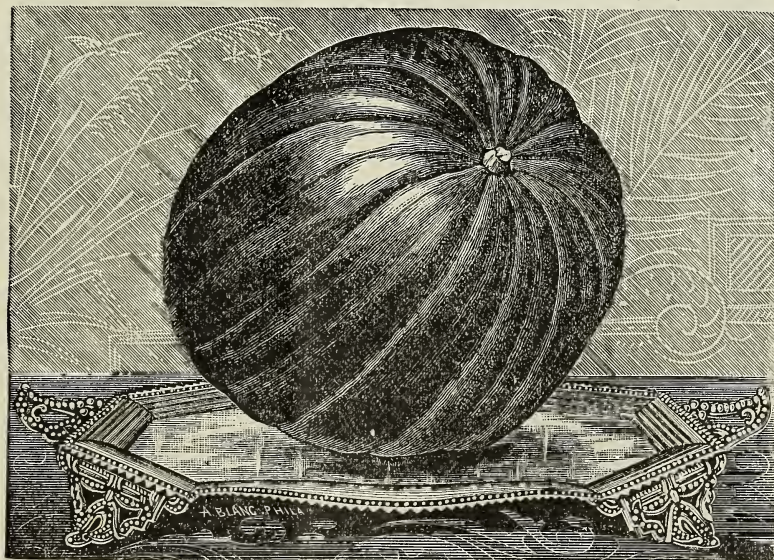
**Green and Gold**—Nearly round in shape, skin dark green, flesh of a beautiful yellow color and of excellent quality. Price, per packet, 5c; per ounce, 10c; per pound, 60c.

**Ice Cream, or Peerless**—Fruit of medium size, oval, and finely mottled; rind thin; flesh bright scarlet, crisp, tender, and of finest flavor. Price, per packet, 5c; per ounce, 10c; per pound, 50c.

**Kentucky Wonder**—One of the best for market or home use; oblong in shape, with dark green skin, marbled with stripes of light green; scarlet flesh, crisp, tender, rich, and sugary flavor; always firm and never mealy. Price, per packet, 5c; per ounce, 10c; per pound, 50c.



SCALY BARK.



PRIDE OF GEORGIA.

**Kolb's Gem**—Of uniform round shape, growing to a fair market size; rind hard and tough, and lightly striped with light and dark green; flesh bright red and of average quality. Price, packet, 5c; ounce, 10c; pound, 60c.

**Pride of Georgia**—A Southern favorite, and a good shipper; fruits large, oval, ridged like an orange; flesh tender juicy, sweet, and delicate. Price, per packet, 5c; per ounce, 10c; per pound, 60c.

We can supply the following well-known standard sorts at the uniform price of, per packet, 5c; per ounce, 10c; per pound, 50c: Mammoth Ironclad, Seminole, Black Spanish, Phinney's Early, Mountain Sweet, Mountain Sprout.

If interested in this crop, an excellent book to have is "Mushroom Culture," by W. Robinson which will be sent free by mail for 50 cents.

**English Spawn**—Per pound, by mail, 30c.; 7 pounds, per express, not paid, \$1.00.

**French Spawn**—Per pound, by mail, 50c; three-pound box, per express, not paid, \$1.25

## MUSTARD

One ounce will sow a drill fifty feet long. Sow thickly in rows six inches apart, and when about two inches high it can be cut and used with cress, forming a pleasing, pungent salad.

**Black or Brown**—More pungent than the yellow. Price, per ounce, 5c; per pound, 15c.

**Giant Southern Curled**—This variety is highly esteemed in the south, where the seed is sown in the fall, and the plants are used very early in the spring as a salad. The plants grow about two feet high and form enormous bunches. Price, per ounce, 10c; per pound, 75c.

**White or Yellow**—Rapid growth, agreeable flavor. Price, per ounce, 5c; per pound, 15c.

## OKRA OR GUMBO

The green pods of this plant impart a fine flavor and consistency to soups and stews, and the pods can be dried for use in winter. So delicious is the flavor that when once used it will be grown every year.

**Dwarf Density**—Very dwarf and very productive. Price, per packet, 5c; per ounce, 10c; per pound, 50c.

**White Velvet**—The pods are perfectly round, smooth, and of an attractive white velvet appearance; of superior flavor and tenderness. Price, per packet, 5c; per ounce, 10c; per pound, 50c.

**Long Green**—Long, ribbed, erect pods, sharply tapering to a point; very productive. Price, per packet, 5c; per ounce, 10c; per pound, 50c.

## ONIONS

One ounce will sow a hundred feet of drill; six pounds will plant one acre. A clean, deep, rich soil, thoroughly worked, is the best for this crop. Get the seed in as early as possible, for if the onions do not get a good start before the hot, dry weather, the crop is sure to be a failure. Sow in shallow drills not less than a foot apart; when the plants are about three inches high, thin to the distance of three or four inches, according to variety. In doing this disturb those that remain as little as possible.

A valuable book for every one who raises onions is "The New Onion Culture," by B. T. Greiner, which will be sent free by mail for 50c.

**Extra Early Red**—Matures very early, yields abundantly, and is of mild flavor. Of medium size, deep red in color, very close grained, solid, and heavy. This will often form bulbs in cold and mucky soils where other varieties fail. It is recommended particularly for the North and Northwest. Price, per packet, 5c; per ounce, 15c; per pound, \$1.25.

**Philadelphia Silverskin, for growing sets**—This is practically the same variety as the White Portugal, but, having been grown for many years in the vicinity of Philadelphia, especially for White Sets, is now particularly desirable for that purpose. Price, per packet, 5c; per ounce, 20c; per lb., \$2.50.

**Large Red Wethersfield**—Of large size and fine form; skin deep purplish-red; flesh purplish-white; moderately fine grained and stronger in flavor than the yellow or white onions. Very productive and an excellent keeper. Immense crops of this onion are grown for shipment, and it is one of the very best sorts. Price, per packet, 5c; per ounce, 20c; per pound, \$1.25.

**Yellow Danvers**—This is the flat-formed variety of this popular onion, of good size and attractive appearance;

LARGE RED WETHERSFIELD.

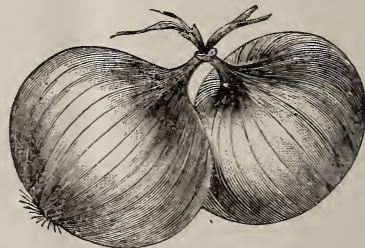
ripens early, of mild flavor, and a splendid keeper. Price, per packet, 5c; per ounce, 15c; per lb., \$1.25.

**Yellow Globe Danvers**—The most reliable yellow onion that can be grown; of splendid shape, good size and enormously productive, in this respect far outclassing the flat variety. Price, per packet, 5c; per ounce, 15c; per pound, \$1.00.

**White Silverskin or White Portugal**—Very desirable for family use; flavor mild and pleasant; skin silvery-white; of handsome appearance; highly esteemed for pickling when young, also for market in early winter. Price, per packet, 5c; per ounce, 20c; pound, \$2.00.

**Giant Rocca**—Of immense size, and handsome, globular shape; skin a light reddish brown; flesh mild and delicate. Price, per packet, 5c; per ounce, 15c; per pound, \$1.25.

**Mammoth Silver King**—This is the largest of the white Italian onions, single bulbs often attaining a weight of from two to three pounds each; the skin and



YELLOW GLOBE DANVERS.



WHITE SILVERSKIN.



GIANT ROCCA.

# ONIONS—Continued

flesh are a beautiful silvery white, and the flavor is mild and pleasant. Price, per packet, 5c; per ounce, 15c; per pound, \$1.25.

**Prizetaker**—Of immense size and uniform shape, and nearly a perfect globe; skin very thin and of a bright straw color; flesh pure white, fine grained, and delicate in flavor. Price, per packet, 5c; per ounce, 15c; per pound, \$1.25.

**Queen**—This is a very early onion; small, flat, white, and mild flavored. Price, per packet, 5c; per ounce, 15c; per pound, \$1.75.

**Large White Italian Tripoli**—New and excellent variety, of quick growth and mild flavor. Price, per packet, 5c; per ounce, 15c; per pound, \$1.75.

**Large Red Italian Tripoli**—This has the same characteristics as the White Tripoli; distinct in color, however. Price, per packet, 5c; per ounce, 15c; per pound, \$1.75.

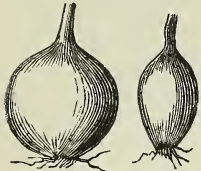
**BOTTOM ONION SETS**—These are the product of seed and are used for "green onions" or to produce large onions, which they do much quicker than can be grown from seed.

**White Bottoms**—Our sets of this are very choice, small, dry, and unsprouted. Price, per pound, 25c; per 100 pounds, \$13.00.

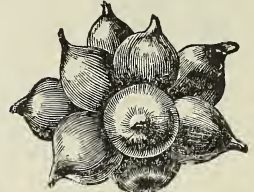
**Yellow Bottoms**—Fine, dry sets, medium in size, and unsprouted. Price, per pound, 25c; per 100 pounds, \$12.00.

**TOP ONION SETS**—These are planted to produce both early "green onions" and large eating onions. Price, per pound, 25c; per 100 pounds, \$12.00.

**Onion Sets** are subject to market changes, and while we shall try to maintain the above prices, we can not guarantee them to last throughout the season, and advise early orders.



BOTTOM SETS.



TOP SETS.



EXTRA DOUBLE CURLED.

## PARSLEY

One ounce will sow one hundred feet of drill.

Sow thinly in drills one foot apart, and thin out the plants to three or four inches between each. The seed germinates slowly, sometimes three or four weeks passing before the plants appear.

**Extra Double Curled**—Very select strain of handsome bright green color; compact and beautifully curled. Price, per packet, 5c; per ounce, 10c; per pound, 75c.

**Fern-Leaved**—A distinct and attractive dwarf variety of exquisite form and color; highly ornamental for garnishing. Price, per packet, 5c; per ounce, 10c; per pound, 75c.

## PARSNIPS

One ounce will sow 200 feet of drill; five pounds will plant an acre. This crop requires a very rich soil. Sow in drills eighteen inches apart and one-half inch deep, and thin to eight inches in the row. Besides being desirable as a table vegetable, they are valuable for feeding stock.

**Improved Guernsey**—The roots are smooth, medium long; flesh fine-grained and of excellent quality; heavy cropper. Price, per ounce, 10c; per pound, 60c.

**Long Smooth, or Hollow Crown**—Of excellent flavor, tender and sweet. Price, per ounce, 10c; per pound, 60c.

**Student**—Handsome shape and splendid flavor. It is earlier than the longer forms, and especially adapted for shallow soils. Price, per ounce, 10c; per pound, 60c.



IMPROVED GUERNEY.

## PEAS

One pound will sow sixty feet of row. Light, moderately rich soil is best for this crop. Sowing of the first early variety should be made in October, and the other varieties, for successive crops, plant every two weeks until the 1st of April. Peas are sown in single or double rows, from two to six feet apart, according to the variety or the height to which they attain. Have the rows of the dwarf varieties two feet apart, and those of the medium sorts from three to four feet, and the tall varieties from five to six feet apart.

If ordered by mail, add eight cents per pound for postage.



LONG SMOOTH.

## PEAS—Continued



AMERICAN WONDER.

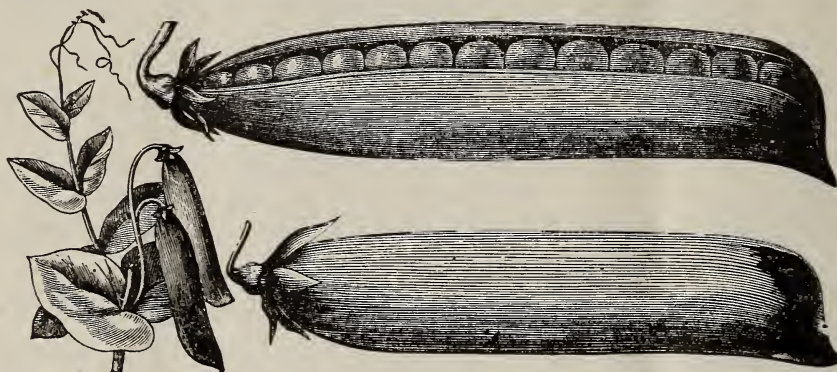
**Advancer**—A standard early market sort; prolific, tender, and of delicious flavor. Height,  $2\frac{1}{2}$  feet. Price, per pound, 10c; per 100 pounds, \$7.00.

**Alaska**—The earliest pea known; pods rather small, of a dark green color, and well filled with peas of excellent flavor. Height,  $2\frac{1}{2}$  feet. Price, per pound, 10c; per 100 pounds, \$7.00.

**American Wonder**—The earliest wrinkled variety, and remains unrivaled in flavor, quality, and productiveness. Height, 1 foot. Price, per pound, 10c; per 100 pounds, \$7.00.

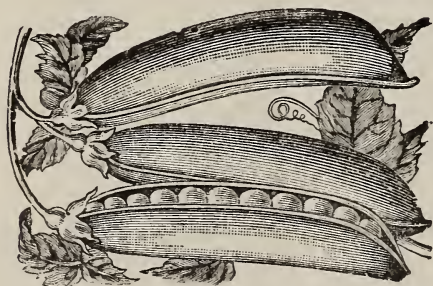
**The Heroine**—This is the grandest pea on the entire list, and is now offered at a price that places it within the reach of all. It should be in every garden, for it is the greatest acquisition we have had in new peas in many years. Height,  $2\frac{1}{2}$  feet. Price, per pound, 10c; per 100 pounds, \$9.00.

**Carter's Stratagem**—Seeds green, square, wrinkled. Vigorous, branching habit; remarkably luxuriant foliage; leaves unusually large sized; under favorable conditions an enormous cropper; pods long, well filled with from seven to nine peas of the largest size, extra fine quality; one of the most elegant and showy peas in cultivation. Height, 2 feet. Price, per pound, 10c; per 100 pounds, \$7.50.



CARTER'S STRATAGEM.

**Yorkshire Hero, also known as Alameda Sweet Peas**—This magnificent variety has become very popular; as a main crop pea it has no equal. Long, round pods, closely filled with large, luscious wrinkled peas; of fine quality and very productive. Height,  $2\frac{1}{2}$  feet. Price, per pound, 10c; per 100 pounds, \$5.50.



MCLEAN'S LITTLE GEM.

**McClean's Little Gem**—Truly a gem! Productive, wrinkled, and of delicious flavor. Matures in fifty-four days; no sticks required. Height, 1 foot. Price, per pound, 10c; per 100 pounds, \$6.00.

**Bliss' Everbearing**—Pods 3 to 4 inches long; peas very large; quality very fine. Its growth is of a branching character. Height, 2 feet. Price, per pound, 10c; per 100 pounds, \$6.00.

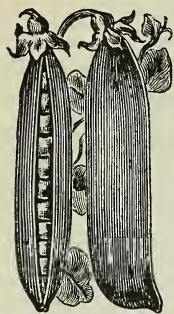
**Bliss' Abundance**—Foliage large, thick, and dark green; pods 3 to  $3\frac{1}{2}$  inches long, round, and well filled. Height,  $1\frac{1}{2}$  feet. Price, per pound, 10c; per 100 pounds, \$6.00.

**Horsford's Market Garden**—This we consider identical with Bliss' Abundance. Height,  $1\frac{1}{2}$  feet. Price, 10c; per 100 pounds, \$6.00.

**First and Best**—This is one of the best extra early sorts for market planting, and is a very heavy and reliable yielder and of good quality. Height,  $2\frac{1}{2}$  feet. Price, per pound, 10c; per 100 pounds \$7.50.

**Prince of Wales**—Seed white, wrinkled; vigorous growth, branching habit, prolific. Pods large sized, well filled with large peas of first quality. Time of ripening medium. In every respect first-class. Height,  $2\frac{1}{2}$  feet. Price, per pound, 10c; per 100 pounds, \$8.00.

## PEAS—Continued



CHAMPION OF ENGLAND.

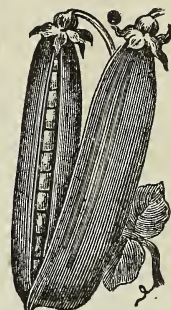
**Champion of England**—This is acknowledged to be the best of the late varieties. It is tall growing, attaining a height of 5 feet, and requires to be staked up. The pods and peas are of the largest size. Height, 5 feet. Price, per pound, 10c; per 100 pounds, \$8.00.

**Telephone**—A tall, wrinkled marrow, enormously productive and of the best quality; is a strong grower, averaging 18 pods to the stock. The pods are of the largest size, and contain from 6 to 7 large peas. A desirable sort for the family garden. Height, 4 feet. Price, per pound, 10c; per 100 pounds, \$8.00.

**Tall White Marrowfat**—A favorite marrow sort; mostly grown as a field pea and very productive. Height, 6 feet. Price, per pound, 10c; per 100 pounds, \$6.00.

**Black-Eyed Marrowfat**—This is extensively grown as a field pea; hardy and productive, but not so fine flavored as most other varieties. Height, 4 feet. Price, per pound 10c; 100 pounds, \$5.00.

**Tall Sugar** (edible pods)—Can be used either shelled or



TELEPHONE.

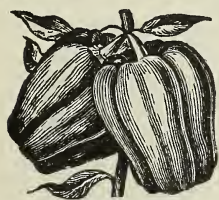
cooked in the pods, which when young are very tender and sweet. Height, 5 feet. Price, per pound, 10c; per 100 pounds, \$8.00.

**Dwarf Sugar** (edible pods)—Similar to the above. Height, 3 feet. Price, per pound, 10c; per 100 pounds, \$8.00.

## PEPPER

One ounce will produce 1,500 plants.

A strong, uniform heat is required to germinate these seeds, and a thoroughly pulverized, well-enriched, warm soil is necessary to perfect the fruit. When the plants are about 3 inches high, transplant into rows three feet apart, and allow two feet between the plants.



GOLDEN DAWN.

**Golden Dawn**—Golden yellow fruits; mild and sweet. Price, per packet, 5c; per ounce, 25c; per pound, \$2.00.

**Bell, or Bull Nose**—Large, mild; glossy red. Price, 5c; per ounce, 20c; per pound, \$1.75.

**Long Red Cayenne**—Bright red, strong, and pungent. Price, per packet, 5c; per ounce, 25c; per pound, \$1.75.

**Procopp's Giant**—Thick-fleshed, scarlet peppers of mammoth size. Price, per packet, 5c; per ounce, 30c; per pound, \$3.00.

**Ruby King**—The best mild red pepper; fruit large and handsome, of a bright ruby-red color, and so mild that it may be sliced and eaten as a salad. Price, per packet, 5c; per ounce, 25c; per pound, \$2.50.



LONG RED CAYENNE.

**Sweet Mountain**—Similar to Large Bell. Price, per packet, 5c; per ounce, 20c; per pound, \$2.00.

**Strong Plants of above varieties, per dozen, 25c; per 100, \$1.00.**

## PUMPKINS

One ounce will plant forty hills; five pounds will plant an acre.

Plant in hills eight feet apart each way, allowing three strong plants to a hill. In other respects they are cultivated as melons and cucumbers; keep separate from melons and cucumbers, as they are liable to mix. If ordered by mail, add eight cents per pound for postage.

**Connecticut Field or Large Yellow**—The common field variety, so largely grown amongst corn; excellent for stock feeding. Price, per ounce, 5c; per pound, 25c.

**Early Sugar**—Of small size, but very prolific; skin of a deep orange yellow; flesh fine-grained and sweet. Price, per packet, 5c; per ounce, 10c; pound, 40c.

**Large Cheese**—Of good size and very prolific; rind and flesh orange colored, fine-grained, and excellent for cooking. Price, per packet, 5c; per ounce, 10c; per pound, 40c.

**Mammoth Potiron**—This is the true mammoth pumpkin; grown to an enormous size, some specimens having been grown which weighed over two hundred pounds; salmon-colored skin; flesh bright yellow, fine grained and of excellent quality. Price, per packet, 5c; per ounce, 15c; per pound, \$1.00.

**Mammoth Red Etampes**—This mammoth, which has been raised to weigh over one hundred and fifty pounds, has a brilliant, showy red skin. The flesh is very thick, and in quality is about equal to any of the Mammoth class of pumpkins, whose real value is



EARLY SUGAR.

## PUMPKINS—Continued

for stock feed rather than for table use. Price, per packet, 5c; per ounce, 10c; per pound, 75c.

**Jonathan**—A large bottle-shaped variety, with a crookneck; an excellent keeper, fine, sweet flavor. Price, per packet, 5c; per ounce, 10c; per pound, 40c.

**Tennessee Sweet Potato**—Of medium size, pear-shaped, color creamy-white, lightly striped with green, flesh thick, creamy-white, fine-grained, dry. Price, per packet, 5c; per ounce, 10c; per pound, 50c.

**Cushaw, or Crookneck**—Very productive and of good size; color light cream, sometimes lightly striped. Price, per packet, 5c; per ounce, 10c; per pound, 40c.

**Japanese**—Extremely small seed cavity—all the balance being solid meat throughout. The seeds are curiously sculptured in the manner of Chinese letters. Very productive, ripen early, good keepers, and weigh fifteen to twenty pounds each. An enthusiastic grower. Price, per packet, 5c; per ounce, 10c; per pound, 50c.



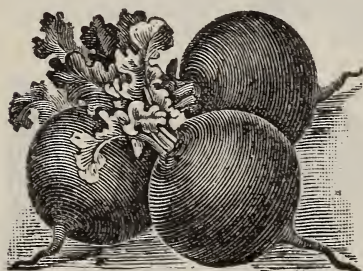
MAMMOTH RED ETAMPES.

## RADISH

One ounce will sow one hundred feet of drill; eight to ten pounds will be required for one acre. Radishes do best in a light, rich soil. Sow in drills about ten inches apart, covering about half an inch, and thin the plants to two inches apart. A rapid growth is essential to produce showy, crisp radishes of a mild flavor. Sow every ten days for a succession of crops.

**Early Scarlet Turnip**—For first and successive sowing in the open ground, we can strongly recommend this old favorite. The root is of medium size, bright scarlet in color, and in quality is certainly unsurpassed, being always mild and pleasant in flavor. Price, per packet, 5c; per ounce, 10c; per pound, 50c.

**Earliest Carmine Olive-Shaped Radish**—One of the handsomest and best of all the extra early radishes. The root is regularly olive-shaped, very even, and with a smooth skin, of a rich, dark carmine color. The foliage is short, stiff, and extremely small. In twenty to twenty-two days the tender radishes are ready to pull. Its earliness and light foliage recommend it for forcing. Price, per packet, 5c; per ounce, 10c; per pound, 50c.



EARLY SCARLET TURNIP



EARLIEST CARMINE.

**French Breakfast**—A very quick-growing variety, brittle, crisp, and tender, of oval form, a bright scarlet, white tipped, a very handsome sort. Price, per packet, 5c; per ounce, 10c; per pound, 50c.

**White Tipped Early Scarlet Turnip**—No radish looks better on the table than this. It is bright scarlet in color, gradually fading off to pure white at the base, and is tender, mild in flavor, and early. Price, per packet, 5c; per ounce, 10c; per pound, 50c.

**Long Scarlet Short Top**—This variety is largely grown, as its shape (when tied up in bunches) is best suited to ship. Its average length is about nine inches. Price, per packet, 5c; per ounce, 10c; per pound, 50c.

**Beckert's Chartier**—Color bright salmon scarlet, shading to white as it approaches maturity. Very crisp and tender. Price, per packet, 5c; per ounce, 10c; per pound, 50c.

**White Strasburg**—Roots oblong, of a pure white color, very brittle, and of mild flavor. Price, per packet, 5c; per ounce, 10c; per pound, 50c.

**Long Black Spanish**—One of the hardiest and best for winter use. Price, per packet, 5c; per ounce, 10c; per pound, 50c.

**Round Black Spanish**—Globe-shaped, black skin, white flesh, very firm; the flavor is piquant and appetizing. Price, per packet, 5c; per ounce, 10c; per pound, 50c.

**Chinese Mammoth White**—The largest variety in cultivation;



LONG SCARLET SHORT TOP.



BECKERT'S CHARTIER.

## RADISH—Continued

first introduced into California by the Chinese; flesh pure white, of mild flavor, tender and crisp. Price, per packet, 5c; per ounce, 10c; per pound, 50c.

**California Mammoth White Winter**—A white-fleshed radish of excellent quality. Price, per packet, 5c; per ounce, 10c; per pound, 50c.

## RHUBARB

One ounce will sow 125 feet of drill.

The seed bed should be of light, rich soil. Sow very thinly in rows one foot apart, and cover the seed about one inch. When the plants are two inches high, thin to the distance of six inches in the drill. In about six months they will be strong enough to set out in their permanent location, the distance allowed being about three feet each way.

**Linnaeus**—Price, per ounce, 20c; per pound, \$1.75.

**Mammoth Monarch**—Price, per ounce, 25c; per pound, \$2.50.

**Victoria**—Price, per ounce, 20c; per pound, \$1.75.

**Strong Roots of either variety, \$1.50 per dozen, by express, at purchaser's expense.**

## SALSIFY OR VEGETABLE OYSTER

One ounce will sow a drill sixty feet; five pounds will sow one acre.

The soil should be rich and well worked to a depth of at least eighteen inches. Sow in drills fifteen inches apart, covering the seeds with one soil an inch and one-half in depth. When the plants are strong enough, thin them out to about nine inches apart.

**Large White French**—Small-growing, but of good flavor. Price, per ounce, 10c; per pound, \$1.00.

**Mammoth Sandwich Island**—A great improvement on the old variety; very large. Price, per ounce, 10c; per pound, \$1.00.

## SPINACH

One ounce will sow 100 feet of drill; 10 pounds required for one acre.

Spinach is very hardy, extremely wholesome and makes delicious greens, and is of the easiest culture. Sow in drills one foot apart, and commence thinning out the plants as soon as the leaves are an inch wide. Cut before hot weather or it will become tough and stringy. For early spring use the seed should be sown early in the autumn, and the plants protected through the winter by a light covering of leaves or straw.

**Round Thick Leaved**—Leaves large, thick and fleshy, the variety generally grown for market, and equally good for spring or fall sowing. Price, per packet, 5c; per ounce 10c; pound, 35c.

**Round Leaved Viroflay**—A splendid variety, with leaves long and broad, round, thick, and fleshy, dark green; young plants transplanted into a rich soil will grow to an enormous size. Price, per packet, 5c; per ounce, 10c; per pound, 35c.

**Prickly or Fall**—Best suited for fall planting, as it is the hardiest variety and

will withstand the severest weather with only a slight protection of leaves or straw; the seed is prickly, leaves triangular, oblong or narrow-shaped. Price, per packet, 5c; per ounce, 10c; per pound, 35c.

**Long Standing**—An improved strain, stands three weeks longer without going to seed than any other variety we know of. This valuable property will be appreciated by market gardeners. Price, per packet, 5c; per ounce, 10c; per pound, 35c.

**Savoy Leaved**—A very hardy and productive sort; leaves handsomely curled; a valuable variety for market or family use. Price, per packet, 5c; per ounce, 10c; per pound, 35c. Special prices to growers in large quantities.

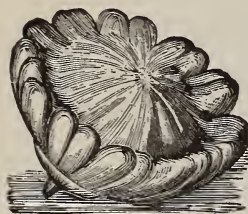


LARGE WHITE FRENCH.



LONG STANDING.

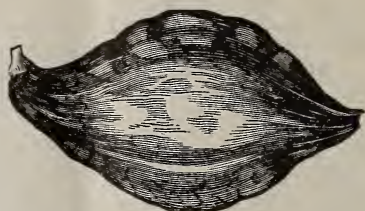
## SQUASH



WHITE BUSH SCALLOPED.

**White Bush Scalloped**—This and the Yellow Bush are esteemed the earliest, and are grown almost exclusively for first crop. From the hard texture of the rind it is well suited for shipping, and they are grown exclusively at the South for that purpose. Price, per packet, 5c; per ounce, 10c; per pound 50c.

**Yellow Bush Scalloped**—Differs from the above only in color. Price, per packet, 5c; per ounce, 10c; per pound, 50c.



HUBBARD.

**Perfect Gem**—Equally desirable either as a summer or winter squash. The squashes are from four to six inches in diameter, of a creamy white, with thin, smooth shell, slightly ribbed. Price, per packet, 5c; per ounce, 10c; per pound, 50c.

**Mammoth Chili**—The largest of all squashes; rather flat at both ends. Its size makes it valuable for stock feeding, while its rich, fine-flavored flesh insures its value for all other purposes. Price, per packet, 5c; per ounce, 10c; per pound, 60c.

**Hubbard**—More largely grown as a late sort than any other. It is of large size, often weighing from nine to ten pounds. Color, bluish green, occasionally marked with brownish orange or yellow. Flesh fine-grained, dry, and of excellent flavor. It can be had in use from September to May. Price, per packet, 5c; per ounce, 10c; per pound, 50c.

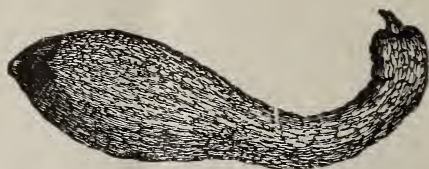
**Summer Crookneck**—One of the best; very early and productive. It is small, crooked neck, covered with warty excrescences; color bright yellow; shell very hard when ripe. Price, per packet, 5c; per ounce, 10c; per pound, 50c.

**Boston Marrow**—Second early, coming in about ten days after the Bush and Crookneck sorts. Skin yellowish, very thin; the flesh dry and fine-grained, and of unsurpassed flavor. Price, per packet, 5c; per ounce, 10c; pound, 50c.

**Fordhook**—Fine grain, very sweet and productive; can be used at any time of their growth; skin very thin; good keeper. Price, per packet, 5c; per ounce, 10c; per pound, \$1.00.

**Pike's Peak or Sibley**—Flesh solid, thick, and of a rich golden-orange color. Free from strong squashy taste, dry, fine-grained, rich, and of a delicate flavor. Price, per packet, 5c; per ounce, 10c; per pound, 75c.

**Delicata**—Early and prolific; oblong shape, splashed and striped with dark green, very prolific and a good keeper. Price, per packet, 5c; per ounce, 10c; per pound, 75c.



SUMMER CROCKNECK.

## TOMATOES

**Improved Sacramento Favorite**—Is one of the very best; large size, smooth as an apple, firm and handsome, bright red, and fine for market and shipping. Price, per packet, 5c; per ounce, 20c; per pound, \$2.50.

**Acme**—The standard bright pink early tomato. Price, per packet, 5c; per ounce, 20c; per pound, \$1.75.

**Atlantic Prize**—One of the earliest; valuable, where this is the main object. Price, per packet, 5c; per ounce, 20c; per pound, \$2.00.

**Beauty**—A large, solid, smooth, purplish-pink variety. Price, per packet, 5c; per ounce, 20c; per pound, \$1.75.

**Dwarf Champion**—Resembles the Acme in form and color; of dwarf, compact, and upright growth; early and productive. Price, per packet, 5c; per ounce, 25c; per pound, \$2.50.

**Golden Queen**—The perfection of Yellow Tomatoes; in size, smoothness, solidity, and productiveness, equals any of the red varieties; in color, a beautiful yellow, and none better suited for preserving. Price, per packet, 5c; per ounce, 25c; per pound, \$2.50.



**Favorite**—Bright red, smooth, and of good size. Price, per packet, 5c; per ounce, 20c; per pound, \$1.75.

# **TOMATOES—Continued**

**Ignotum**—Beautiful form and pleasing deep red color. Price, packet, 5c; ounce, 20c; pound, \$2.00.  
**Long-keeper**—Very early and productive; free from rot, and remarkable for its long-keeping qualities. Price, per packet, 5c; per ounce, 25c; per pound, \$2.50.

**Perfection**—Handsome blood-red color; very solid; per packet, 5c; per ounce, 20c; pound, \$1.75.

**Ponderosa**—A monster tomato; very handsome, solid, smooth, with but few seeds. Single specimens weighing nearly four pounds. Price, per packet, 5c; per ounce, 30c; one-half pound, \$1.00.

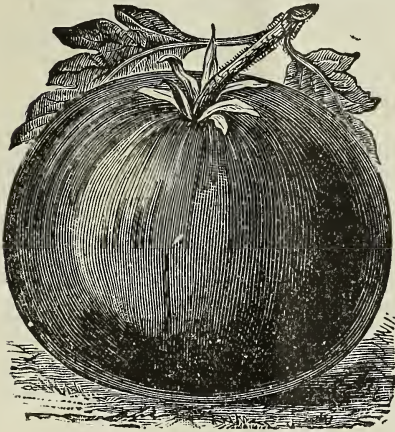
**Stone**—Very large, and of a bright scarlet color; exceedingly solid and firm-fleshed; not liable to rot; one of the best shippers there is. Price, per packet, 5c; per ounce, 20c; per pound, \$2.00.

**Strawberry, or Ground Cherry**—Known also as "Husk Tomato;" unequaled for canning or preserving, and dried in sugar for use in fruit cake, as raisins or figs, they are unexcelled. Besides being attractive and useful, they are quite a curiosity. Price, per packet, 5c; ounce, 25c; pound, \$3.00.

**Trophy**—Large and solid; unsurpassed in flavor and productiveness; standard variety. Price, per packet, 5c; per ounce, 20c; per pound, \$1.75.

**Yellow Plum**—Handsome; skin and flesh deep yellow; used for pickling and preserving. Per packet, 5c; oz., 30c.

**Strong Plants of above varieties ready in March.**  
 Price, per dozen 20c; per 100, \$1.00; per 1,000, \$8.00.



PERFECTION.

## **TURNIPS**

**Cardinal**—One of the best varieties to grow on hot, dry land, not running to seed like other early kinds, and remaining sweet and solid for a long season; it is of medium size, flat, with very short top and of excellent table quality. Price, per packet, 5c; per ounce, 15c; per pound, \$1.00.

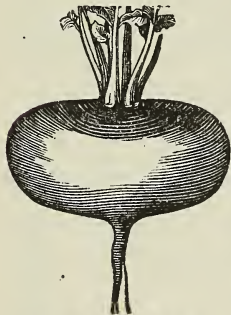
**Extra Early Purple-top Munich**—This handsome turnip is entirely distinct from any other variety, growing entirely aboveground; pure white, with a bright purplish red top and few leaves; flesh fine, and of good flavor when young. Price, per packet, 5c; per ounce, 10c; per pound, 75c.

**Golden Ball or Orange Jelly**—Very handsome, rich pale yellow flesh, unsurpassed for excellent table qualities. Price, per packet, 5c; per ounce, 10c; per pound, 60c.

**Red Top Strap Leaf**—A popular variety of excellent flavor and rapid growth. Price, per packet, 5c; per ounce, 10c; per pound, 50c.

**White Egg**—Skin and flesh of snowy whiteness, sweet, firm and fine grained; excellent either for early or late sowing. Price, per pkt., 5c; oz., 10c; lb., 50c.

**White Flat Dutch**—Very early, white flesh, solid and mild. Price, packet, 5c; ounce, 10c; pound, 50c.



RED TOP STRAP LEAF.

**Yellow Aberdeen**—Good keeper; usually grown for stock feeding. Price, per packet, 5c; per ounce, 10c; per pound, 50c.

**Yellow Stone**—The best yellow-fleshed variety for table use; delicious quality. Price, per packet, 5c; per ounce, 10c; per pound, 60c.

## **RUTA-BAGA**

**Improved American**—The standard; solid flesh, superior quality; good for table or stock. Price, per packet, 5c; per ounce, 10c; per pound 50c.

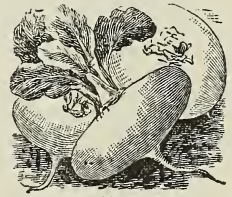
**Laing's Improved**—Handsome variety of excellent quality. Price, per packet, 5c; per ounce, 10c; pound, 50c.

**Skirving's Purple Top**—A first-rate variety, and keeps well. Price, per packet, 5c; per ounce, 10c; per pound, 50c.

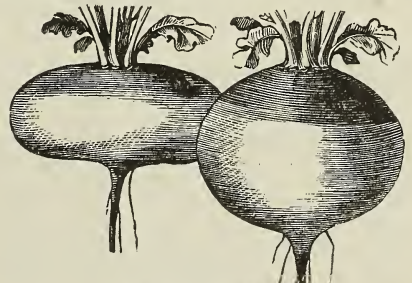
**Sweet German or White Rock**—One of the best for table use; grows to a good size, and is smooth and clear white; flesh hard and brittle, but cooks tender and sweet; as a winter and spring turnip has no superior and few equals. Price, per packet, 5c; per ounce, 10c; pound, 50c.



PURPLE-TOP MUNICH.



WHITE FLAT DUTCH.



IMPROVED AMERICAN.

## Herbs and Medicinal Plants

No garden is complete without a few aromatic herbs for flavoring soups, etc., and care should be taken to harvest them properly. They should be cut just before they come into full blossom, and should be cured by being tied in bunches and hung up or spread thinly on a floor where they will dry quickly. This class of plants does best in mellow and not too rich soil. The best general directions for sowing are to cover the seeds about twice their own thickness; when up, thin the plants out so that they may have sufficient light and air, and not be so crowded as to get drawn and unhealthy.

Varieties with a star (\*) are perennials.

	Pkt.	Oz.		Pkt.	Oz.
Anise .....	\$0 05	\$0 15	*Lavender.....	\$0 05	\$0 20
*Balm .....	05	30	*Pennyroyal.....	10	60
Bene.....	05	20	Pot Marigold.....	05	15
Borage .....	05	15	*Rosemary .....	05	50
*Caraway.....	05	10	*Rue.....	05	20
Catnip or Catmint.....	05	40	Saffron .....	05	15
Coriander .....	05	10	Sage.....	05	20
Dill .....	05	10	Summer Savory .....	05	20
*Fennel .....	05	15	Sweet Basil.....	05	20
*Hibbane.....	05	20	Sweet Marjoram.....	05	25
*Hop.....	05	20	*Thyme .....	05	40
*Horehound.....	05	30	*Winter Savory.....	05	30
Hyssop.....	05	30	*Wormwood.....	05	35

Good strong PLANTS of Fennel, Sage, and Thyme, 5c each, 50c per doz., \$3.50 per 100.

## Vegetable Plants and Roots.

We grow large quantities of vegetable plants, and can supply all varieties listed below in proper season. All have been carefully grown from our choicest stock seed. Plants quoted by mail are sent at our expense; when ordered by express, they are lightly packed, and charges are paid by purchaser. We sell 500 at the 1,000 rate.

**Cabbage Plants**—All-Seasons, Early York, Improved Early Summer, Jersey Wakefield, Late Flat Dutch, Winnigstadt. By mail, 75c per 100; by express, 40c per 100, \$3.00 per 1,000.

**Cauliflower Plants**—Ready in March. Early Dwarf Erfurt, Early Paris, Early Snowball, Late Algiers. By mail, \$1.25 per 100; by express, 75c per 100, \$5.00 per 1,000.

**Egg Plants**—Ready in April. Improved New York Purple. By mail, 65c per doz.; by express, \$1.00 per 100.

**Tomato Plants**—Acme, Favorite, Perfection, Stone, Trophy. By mail, 40c per doz.; by express, 90c per 100, \$7.50 per 1,000.

**Sweet Potato Plants**—Yellow Carolina. By mail, 75c per 100; by express, 50c per 100, \$4.00 per 1,000.

**Hop Roots**—By mail, 30c per doz.; by express, \$1.50 per 100, \$12.50 per 1,000.

## Bird Seeds, Poultry Food, Etc.

If ordered by mail, 10c per pound must be added for postage.

	Per lb.	3 lbs. for		Per lb.	3 lbs. for
<b>Bird Seed, Our Celebrated Mixture</b> —Without doubt the cleanest and best mixture in the market, and the safest to use for pet birds.....	\$0 10	\$0 25	<b>Sunflower</b> —For parrots .....	\$0 15	\$0 40
<b>Canary</b> —Best Sicily, recleaned .....	10	25	<b>Cuttle-fish Bone</b> .....	30	
<b>Hemp</b> .....	10	25	<b>Morris Poultry Cure</b> —A sure preventive and positive cure for all diseases of poultry, 2-lb. box \$1.00 .....	50	
<b>Maw (Blue Poppy)</b> .....	20	50	<b>Oyster Shells</b> —Ground for chickens, per 100 lbs., \$2.00.		
<b>Millet</b> —Common .....	10	25	<b>Washed Bird Sand</b> —Per qt. box, 10c.		
“ White French.....	20	50			
<b>Rape</b> —Sweet German ..	10	25			

# Selected Grass and Clover Seeds

For Lawns and Permanent Pastures

## Freight Charges, Express Charges and Postal Charges to be Paid by Purchaser

In the following list there is briefly described the best grasses for general use. We never handle low-grade or second-quality grass and clover seeds, those we offer being all carefully selected of the best grades and specially re-cleaned to meet the demands of our trade. Prices given are those prevailing at this date (January, 1899), but, being subject to frequent market fluctuations throughout the season, purchasers of large quantities should WRITE FOR SPECIAL QUOTATIONS AND SAMPLES BEFORE PURCHASING ELSEWHERE.

**Oak Park Lawn Grass**—We devote great care to the preparation of this article, and by careful tests have proved its superiority over all other mixtures. It is composed of the very choicest selected fancy cleaned grasses, entirely free from seeds of weeds, and we can with confidence recommend it to those who wish their lawns to present an evergreen, carpet-like appearance. Price, per pound, 25c. For the convenience of those who require only a small quantity of seed, OAK PARK LAWN GRASS is put up in boxes containing sufficient for 300 square feet. We forward these boxes free by mail, at 25c each.

**Kentucky Blue Grass, Fancy Clean** (*Poa pratensis*)—This is the best pasture grass for our climate and soil, and produces the most nourishing food for cattle; although it yields herbage early, it requires several years to become well established as a pasture grass. It is also a most valuable grass for the lawn, for which purpose use at the rate of 60 lbs. per acre, but for pasture 30 lbs. per acre will be sufficient. 20c per lb.

**Orchard Grass** (*Dactylis glomerata*)—The most valuable and widely known of all pasture grasses, coming earlier in the spring and remaining longer than any other; it is well adapted for sowing under trees, and valuable either for grazing or for hay. 40 lbs. are required for one acre. Per lb., 20c.

**Bermuda Grass**—The roots of this grass are very tenacious of life. It grows in almost any soil, and spreads rapidly, making a good pasturage. The seed is hard to save, and is worth \$1.25 a pound. The roots can be furnished for \$1.50 per barley sack, or \$2.50 per barrel. Cut up into short lengths and sow broadcast and cover with a roller. One barrel will thus plant an acre. Valuable for lawns.

**Red Top** (*Agrostis vulgaris*)—A valuable permanent grass for meadows or lawns, growing in almost any soil, moist or dry, and standing heat well. 45 lbs. to the acre. Per lb. 10c.

**Red Top, Absolutely Clean**—Can not be surpassed in quality. Per lb. 20c.  
**Rye Grass, Perennial** (*Lolium Perenne*)—A valuable grass, entering largely into the composition of many of the richest pastures; one of the most nutritious of the permanent grasses. 60 lbs. for one acre, if sown alone. Per lb. 15c.

**Italian Rye Grass** is one of the most valuable grasses in Europe; in England, recommended as the best to cut green for soiling, and excellent for grazing. One great merit is its rapidity of growth, which makes it valuable for even one season. It affords repeated large and nutritive crops. When sown with other grasses, but a small quantity of seed should be used, for, if too thick, it is liable to choke the others out. Price, per lb. 15c.

**Sweet Vernal** (*Anthoxanthum odoratum*)—We offer only the true perennial variety of this valuable grass; useful for mixing with other grasses for lawns and meadows, on account of the early growth, and fragrance which the leaves emit when cut for hay. When sown alone, 25 lbs. per acre are required. Per lb. 60c.

**Timothy** (*Phleum pratense*)—Well known and extensively grown; very productive, and thrives on almost any soil; on a moist clay will produce a larger crop than any other grass. From 25 to 40 lbs. are used per acre. Per lb. 10c.

**Wood Meadow Grass** (*Poa nemoralis*)—A very productive and nutritious grass; thrives well in moist, shady situations or under trees. 30 lbs. are required for one acre. Per lb. 40c.

**Crested Dog's Tail** (*Cynosurus cristatus*)—An excellent grass for hard, dry soils; of exceeding value also for pastures and lawns. When it is used alone, 25 lbs. are required per acre. Per lb. 40c.

**Fescue, Meadow** (*Festuca pratensis*)—An excellent pasture grass, its long, slender leaves being much relished by cattle; succeeds best as a mixture with other grasses. If sown alone, 40 pounds to the acre are required. Per lb. 25c.

**Fescue, Sheep's**—(*Festuca ovina*) Grows freely in high, dry, and open pastures, and should enter into the composition of all mixtures for sheep pastures, as they are very fond of this grass. If sown alone, 35 pounds are required for an acre. Per lb. 25c.

**Hungarian Grass** (*Panicum Germanicum*)—A valuable annual soiling and forage plant, that grows well in almost any soil. Sow at the rate of 70 pounds per acre. Per lb. 10c.

**Johnson Grass** (*Sorghum Halepense*)—Known also as Arabian Evergreen Millet, and is one of the best of rapid-growing fodder plants; on rich soil it can be cut three or four times a season. The hay is rich, juicy, and tender, and relished by stock. Sow at the rate of 30 pounds per acre. Per lb. 15c.



ORCHARD GRASS.



RYE GRASS.



TIMOTHY.



BLUE GRASS.



WHITE CLOVER.

## DON'T FAIL TO TRY THIS GRASS MIXTURE FOR PERMANENT PASTURE

This mixture is the result of extensive experiment and due consideration of the climatic conditions existing on the Pacific Coast, and is calculated to meet the need where a permanent pasture field is desired. Of necessity, some of the quick-growing, but short-lived, grasses are used in this mixture, but so carefully has it been compounded that, as they disappear, their place is taken by other varieties of slower and continuous growth, furnishing an abundant and nutritious permanent food for stock. We consider 40 pounds of this mixture sufficient for an acre. Price, per pound, 20c.

Where clover is desired, we recommend sowing 10 pounds mixed clover per acre, which, on account of its heavier weight, should always be sown separately. We supply a suitable mixture, comprising White, Mammoth Red, Alsike, etc., at 20c per pound.

### CLOVERS

If ordered by mail, add 10 cents per pound for postage.

**Alfalfa** (Choice Utah)—Price, per pound, 10c.

**Alsike**—Price, per pound, 25c.

**Crimson Clover**—Price, per pound, 15c.

**Japan Clover** (*Lespedeza striata*)—This is a valuable clover for grazing purposes, and, in rich ground, makes most excellent hay; for milch cows peculiarly desirable, making a large flow of milk. Price, lb., 25c.

**Sainfoin, or Esparsette**—Grown very extensively in Europe on land where it is impossible to secure a stand of other grasses. It is a perennial, usually sown in spring; equals any clover in nutrition and flesh-forming qualities, and no crop is easier cured; thrives best on dry, chalky, or sandy soil. Price, pound, 15c.

### Table of Grasses and Clovers

Giving quantity to sow per acre and price per pound.

	Lbs. per acre.	Price per lb.	Price 10 lbs.	Price 100 lbs.		Lbs. per acre.	Price per lb.	Price 10 lbs.	Price 100 lbs.
<b>Alfalfa Clover</b> .....	25 lbs.	\$0 15	\$1 00	\$ 8 00	<b>Johnson Grass</b> —Ex-				
<b>Alsike Clover</b> .....	10 "	25	2 00	14 00	tra clean.....	35 "	\$0 15	\$1 25	\$10 00
<b>Crimson, or Scarlet</b>					<b>Kentucky Blue</b>				
<b>Clover</b> .....	15 "	15	1 20	10 00	<b>Grass</b> —Fancy clean	60 "	20	1 80	15 00
<b>Red Clover</b> .....	15 "	15	1 20	10 00	<b>Meadow Fescue</b> —				
<b>Mammoth, or Sap-</b>					English Blue Grass.....	35 "	20	1 65	15 00
<b>ling Clover</b> .....	15 "	15	1 40	13 00	<b>Egyptian, or Pearl</b>				
<b>Sainfoin, or Espar-</b>					<b>Millet</b> .....	4 "	20	1 50	
<b>sette Clover</b> .....	50 "	15	1 30	12 00	<b>Millet</b> —Common ....	30 "	10	60	5 00
<b>White Dutch Clover</b>	8 "	30	2 70	20 00	<b>Millet</b> —German or				
<b>Bermuda Grass</b> .....	10 "	1 25			Golden .....	30 "	10	70	5 50
<b>English Perennial</b>					<b>Orchard Grass, or</b>				
<b>Rye Grass</b> .....	50 "	15	1 00	8 00	<b>Cocksfoot</b> .....	25 "	20	1 75	15 00
<b>Australian Rye</b>					<b>Red Top Grass</b> .....	25 "	15	1 00	9 00
<b>Grass</b> .....	50 "	15	1 00	9 00	<b>Tall Meadow Oat</b>				
<b>Hungarian Grass</b> .....	30 "	10	70	5 50	<b>Grass</b> .....	40 "	25	2 25	20 00
<b>Italian Rye Grass</b> .....	70 "	15	1 00	8 00	<b>Timothy</b> .....	15 "	10	90	8 00
<b>Hungarian Brome</b>					<b>Alfilaria</b> .....	20 "	1 00		
<b>Grass</b> .....	30 "	30	2 50	22 00	<b>Mesquite</b> .....	35 "	15	1 00	8 00
					<b>Sweet Vernal</b> .....	25 "	85		

### FORAGE PLANTS AND MISCELLANEOUS AGRICULTURAL SEEDS

If ordered by mail, add 10 cents per pound for postage.

**Australian Salt Bush**—Adapted for all kinds of soil, but especially so for alkali land, on which it makes an astonishing growth, producing from 20 to 30 tons of green, nutritious food per acre. Especially adapted to all regions where there is a deficiency of rainfall. The plants have a prostrate habit, covering the ground with a green cushion 6 inches thick, each plant being about 6 feet in diameter. One pound will plant an acre. Mix the seed with ten times its bulk of loam, sand, or land plaster, and sow broadcast, after which roll or cover lightly with a brush harrow. Sow after the ground has become warm and all danger of frost is past. Price, per packet, 10c; per ounce, 20c; per pound, \$2.00.

**Broom Corn** (Improved Evergreen)—Price, per pound, 10c; per 100 pounds, \$8.00.

**Buckwheat** (Japanese)—Price, per pound, 10c; per 100 pounds, \$8.00.

**Buckwheat** (Silver Hull)—Price, per pound, 10c; per 100 pounds, \$7.00.

**Egyptian Corn** (Brown)—Price, per pound, 5c; per 100 pounds, \$3.00.

**Egyptian Corn** (White)—Price, per pound, 5c; per 100 pounds, \$3.00.

**Kaffir Corn**—A non-saccharine sorghum, stalks and blades of which make excellent fodder; in all stages of growth, available for green feed. Price, per pound, 15c; per 100 pounds, \$3.00.

**FORAGE PLANTS AND MISCELLANEOUS AGRICULTURAL SEEDS—Continued**

- Millet** (White French)—Price, per pound, 20c; per 100 pounds, \$16.00.  
**Millet** (German or Golden)—Price, per pound, 10c; per 100 pounds, \$5.50.  
**Millet** (Pearl or Egyptian)—Price, per pound, 25c; per 100 pounds, \$20.00.  
**Sunflower** (Russian Mammoth)—Price, per pound, 10c; per 100 pounds, \$5.00.  
**Tobacco** (Connecticut Seedleaf)—Price, per ounce, 20c.  
**Tobacco** (Imported Havana)—Price, per ounce, 30c.

**Sorghum or Sugar Cane, Etc.**

Sorghum is being used extensively as a green food for cattle, horses and mules; it is a sure crop, being a great drought resister and an immense yielder, producing many tons of most nutritious green food to the acre. Specially fine for food for milch cows when pasture is short.

**Early Orange Cane**—A strong grower; much more juicy than any other variety; the stalk is heavier, and a little later than the Amber. Price, per pound, 10c; per 100 pounds, \$5.00.

**Early Amber Cane**—This popular and well-known variety is the earliest and makes the finest quality of both sugar and syrup. Price, per pound, 10c; per 100 pounds, \$5.00.

**Dwarf Essex Rape**—Valuable as a fattening food for pasturing sheep; its fattening properties are said to be twice as good as clover. Sow 12 pounds per acre broadcast, or 5 pounds per acre in drills 15 inches apart. Price, per pound, by mail, 25c; by express or freight, per pound, 15c; 25 pounds for \$3.00.

**Cow Peas**—A highly-valuable fodder and fertilizing crop; poor, sandy land may be greatly improved by plowing under a crop of Cow Peas. If wanted to plow under for manure, sow with a grain drill in drills a foot apart; if grown for fodder or seed, plant 3½ feet apart, and cultivate thoroughly; should not be sown until the soil is thoroughly warm; 80 pounds will sow 1 acre. Price, per pound, 10c; per 100 pounds, \$7.00.

**Lentils**—Are similar to vetches and are cultivated like peas. Price, per pound, 10c; per 100 pounds, \$6.00 to \$8.00.

**Field Peas**—Should be sown on good cultivated soil, at the rate of about 150 pounds to the acre, in drills or broadcast; they are often sown in less quantity with oats and cut and cured together for hay, or threshed and bound together. Price, about \$3.00 per 100 pounds, according to market.

## Field Grain

SEED WHEAT, BARLEY, OATS, CORN, and other Grains of every variety, will be furnished to our customers in quantities as may be desired. Also SEED POTATOES at lowest market rates. Prices given on application.

## We have a Fine Stock of Vegetable Plants

See the List of Varieties and Prices

## Fertilizers

**Pure Bone Meal**—Better than ground bone for mixing with potting soil, as it is much finer and in better condition for giving immediate effect. Price, per 100 pounds, \$2.00; per ton, \$30.00.

**Rose Fertilizer**—Especially suited for roses, shrubbery, and the flower garden. Roses fed on this fertilizer will be strong, healthy and vigorous, and will be better enabled to withstand disease and attacks of all kinds of mildew, fungi, insects, etc.; it is just the food to brighten up the leaves and make perfect buds and roses; scatter over the surface of the ground after irrigation, at the rate of 5 pounds for 100 square feet, and work in the soil as soon as possible thereafter. Price, per 10-pound bags, 50c; per 100-pound bags, \$3.00.

### LAWN FERTILIZER

A fertilizer which we have found to be never-failing in inducing a rapid and rich green growth to the lawn. It meets the wants of hundreds who desire a clean and convenient lawn dressing. A 10-pound package is sufficient to go over an area of 300 square feet, or for forming a new lawn, from 1,000 to 1,500 pounds per acre, or a smaller quantity for renovating an old one. Price, per 10-pound package, 50c; per 100-pound bag, \$3.00.

# FLOWER SEEDS

These require a good, sandy soil, enriched with good fertilizers and well pulverized, loose and moderately moist. Sow the seed in usual way in boxes or warm seed-bed, covering lightly, and keep in total darkness till the plant begins to show aboveground, when gradually expose to the light. By pursuing this plan uniform temperature and moisture are secured, and all seeds possessing life will be sure to grow. When the plants have grown, say to 2 inches in height, they are ready to transplant. Give plenty of room, according to habit of growth of the plant. Crowding destroys the vigor and beauty of the flower.

We offer the following liberal inducement to those who wish to purchase flower seeds in quantity. These rates apply only to seeds in packet, but the seeds will be sent by mail, post-paid.

**If you send us a dollar you may select packets to the amount of \$1.25.**



ABUTILON.

**ABUTILON** (Choice Mixed)—Known also as "Flowering Maple" and "Chinese Bell Flower;" universally admired and easily grown; bears beautiful bell-shaped flowers of varied and brilliant colors. Per pkt., 10c.

**AGERATUM**—A free-flowering, brush-like plant, desirable for bedding on account of its dwarf, compact habit; mixed. Price, per packet, 5c.

**ALYSSUM, SWEET**—These flower profusely throughout the season, thriving in flower garden, window boxes, vases, etc.; also well adapted for ribbon lines and edgings; annual.

**Sweet Alyssum (White)**—One foot. Packet, 5c.

**Tom Thumb Sweet Alyssum**—This is one of the finest plants for edgings and low beds, flowering in unparalleled profusion for months;  $\frac{1}{2}$  foot. Price, per packet, 5c.

**AMARANTHUS**—Ornamental foliage; free-flowering plants, exceedingly valuable for bedding purposes; sow early, and transplant or sow outdoors in May.

**Choice Mixed**—Very beautiful and in great variety. Price, per packet, 5c.

**ANTIRRHINUM, or SNAPDRAGON**—A showy and useful border plant of the easiest culture, furnishing bloom of brilliant and varied colors throughout summer and fall.

**Dwarf Varieties**—In choice mixture. Price, per packet, 5c.

**Tall Varieties**—All brightest colors mixed. Price, per packet, 5c.

**AQUILEGIA, or COLUMBINE**—Choice mixed; elegant, free-blooming perennials, producing beautiful, odd-shaped, and many-colored flowers. Price, per packet, 5c.

**ARISTOLOCHIA ELEGANS**—Curious climber, with broad foliage; if trained on

piazza or against a house the effect is charming; flowers purple, white and yellow. Price, per packet, 10c.

**ASTERS**—No garden is complete without a few of these popular and effective flowers. While most easy of culture, there is no flower which combines so much beauty and variety of color and shape as the improved strains of aster. For a late summer or fall display they have no successful rival. Give them a rich soil, and in hot, dry weather they should be mulched and well watered.

**Sample's New Chrysanthemum-flowered**—

This strain of American-grown asters has been by careful selection brought to a high degree of excellence, and is to-day the best variety for the amateur and florist to grow. The plants are of branching habit, from 2 to 3 feet in height, producing from 20 to 25 large, perfect flowers, from 4 to 6 inches in diameter, on stems from 10 to 24 inches in length. The flowers are perfect, with broad, long petals, which are curled so much as to give the blooms the appearance of a chrysanthemum. One of the great advantages of this aster is its late blooming, coming in flower when other asters are over, and at a time when other flowers are scarce, and is just the flower to fill in with. Price, per packet, 10c.



COMET ASTER.

**Comet**—A beautiful and distinct variety, with long, wavy, and twisted petals, resembling the Japanese chrysanthemums; well grown plants producing from 25 to 30 perfectly double flowers measuring from 3 to 4 inches in diameter; mixed. Price, per packet, 10c.

**Giant Emperor**—Flowers of great size, fine form and brilliant color; mixed colors. Price, per packet, 10c.

**Mignon**—Similar in habit to Victoria, but the flowers are smaller; beautifully imbricated; pure white, and a very perfect form; one of the finest white asters for cutting. Price, per packet, 15c.

**Quilled German**—Perfectly double, tube or quilled-shaped flowers; useful for bouquets; mixed colors. Price, per packet, 5c.



SWEET ALYSSUM.

**ASTERS—Continued.**

**Rose Flowered**—Pyramidal, robust habit, regularly imbricated, variously-colored, large, very double, brilliant flowers. Price, packet, 10c.

**Snowball, or White Princess**—This is the first variety of an entirely new class, which, from the build of its flowers, is as beautiful as it is distinct; they are composed of short, very thickly-set imbricated petals, half globular in form, and of the purest white. Price, per packet, 10c.

**Truffaut's Paeony-flowered Perfection**—One of the most perfect; large flowers, petals beautifully incurved, mixed colors. Price, pkt., 10c.

**Victoria**—The finest class of asters; for size, range of color and profusion of bloom it is unsurpassed; mixed colors. Price, per packet, 10c.

**Washington**—This splendid variety is the largest aster grown, bearing flowers 4 to 5 inches in diameter; very double; mixed colors. Pkt., 10c.

**Choice Mixed**—Price, per packet, 5c.

**BALSAMS**—Are a somewhat neglected family in this state, and yet a desirable and easily-grown flower; the strain offered by us has been brought to great perfection, and is the largest and finest to be obtained anywhere. Price, per pkt., 5c.



BEGONIA.

**BEGONIA**—As bedding plants there is nothing to equal the New Tuberous-Rooted Begonia. They bloom equal to the geranium, but with a form and variety of colors and shading equal to the rose.

**B. Tuberous Rooted, Single, Mixed**—Containing the greatest variety of shades, from pure white through all the tints of cream, yellow, orange, pink, red

and scarlet. Price, per packet, 15c.

**B. Tuberous Rooted, Double, Mixed**—Exquisite double kinds. Price, per packet, 20c.

**B. Rex Hybrida, Mixed**—Beautiful varieties, variegated foliage. Price, per packet, 25c.

**BELLIS** (Double Daisy)—Well-known favorites; admirably adapted for edgings, borders and low beds, and also well suited for growing in pots; although perennials, they will flower the same season if the seed is sown early in the house, though it is preferable to sow it in the fall and winter the plants over in cold frames; fine mixed. Price, per packet, 10c.

**BRACHYCOME** (Swan River Daisy)—This beautiful annual is found on the banks of the Swan River in Australia, and has there the very appropriate name of the Swan River Daisy. The plant grows from 6 to 10 inches high, and produces an abundance of Cineraria-like blossoms all summer. It is well adapted for small beds or rockeries; mixed colors. Price, per packet, 5c.

**CALCEOLARIA**—An ornamental plant, producing a mass of beautiful, pocket-like flowers early in the spring, and a universal favorite for decorating the greenhouse or conservatory. Pkt., 25c.

**CALENDULA ME-**

**TEOR**—Yellow,

striped

with orange.

Price, pkt., 5c.

**CALLIOPSIS LAN-**

**CEOLATA**

(New Golden

Coreopsis)—

One of the most

showy varieties,

forming tall

plants, 2 to 3

feet high, and

bearing in great

profusion for a

long period dur-

ing the summer

large flowers of

bright golden yellow.

Price, per packet, 10c.

**Mixed**—Price, per packet, 5c.

**CANARY BIRD VINE**—Beautiful climber, with

delicate foliage and curious, bright yellow

flowers. Price, per packet, 10c.

**CANDYTUFT**—Easily grown, and blooms profusely;

mixed. Price, per packet, 5c.

**CANNA**—Best French varieties; mixed. Pkt., 5c.

**CANTERBURY BELLS**—One of the best-known

and popular biennials. Double and single varie-

ties, mixed. Price, per packet, 5c.

**CARNATION**—An important and beautiful class of

flowers, most of the varieties have a delicious

clove fragrance.

**Margaret**—Magnificent double flowers, ranging

through all shades of color; flowers in 3 months

from sowing; mixed; 150 seeds. Price, pkt., 15c.

**Prize Double Mixed**—Satisfactory in every way;

100 seeds. Price, per packet, 15c.

**Ordinary Mixed**—Contains a great variety of

colors. Price, per packet, 5c.

**CELOSIA, or COCKSCOMB**—Highly esteemed and

beautiful plants, with richly-colored flower heads.

**Crested Varieties**—In fine mixture. Pkt., 5c.

**Feathered Varieties**—In fine mixture. Price,

per packet, 5c.

**CENTAUREA**—An interesting genus, remarkable

for the free-flowering habit of some of its mem-

bers, and the beautiful silvery foliage of others.

**Cyanus** (Bachelor's Button)—Blue. Price, per

packet, 5c.

**Cyanus Mixed**—All colors. Price, per packet, 5c.

**Candidissima**—Large,

silvery white leaves,

deeply laciniated.

Price, per packet, 10c.

**Gymnocarpa**—Silvery

gray foliage. Price,

per packet, 5c.

**CINERARIA** (Hybrida or

Flowering Varieties)

—Magnificent and in-

dispensable flowering

plants for spring

decoration for the

conservatory or win-

dow garden. The

flowers measure 2 to 3

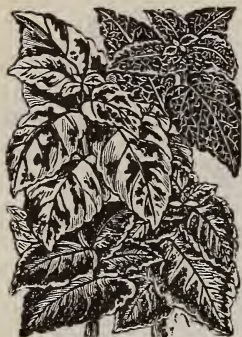
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CALCEOLARIA.



BRACHYCOME.



COLEUS.

**CINERARIA**—Continued white, blue, violet, and crimson shades, covering the plant with a sheet of bloom. Can be grown in gardens in California if protected from frosts.

**Large Flowering, Mixed**—From choicest prize varieties. 2 feet. Price, pkt., 25c.

**Good Mixed, Pkt., 15c.**

**CLARKIA**—An old favorite plant, growing well in any garden soil. Seed can be sown either in September or

early spring; mixed. Price, per packet, 5c.

**COBAEA SCANDENS**—A beautiful, rapid-growing climber, with handsome foliage and large, bell-shaped flowers, green at first, changing to a deep violet-blue (20 seeds). Price, per packet, 10c.

**COLEUS**—Saved from the finest hybrid sorts; remarkable for size and brilliancy of foliage; mixed 100 seeds. Price, per packet, 15c.

**CONVOLVULUS (Morning-glory)**—The most popular and best known annual in cultivation. The dwarf varieties are very pretty for hanging baskets and vases.

**Major**—Tall varieties mixed. Price, per pkt., 5c.

**Minor**—Dwarf varieties mixed. Price, pkt., 5c.

**COSMOS**—Charming late-flowering annuals, each plant covered with hundreds of large anemone-like flowers; both foliage and flowers are excellent for cutting; mixed. Price, each, 5c.

**CYCLAMEN**—These are among the most beautiful winter and spring flowering plants for the window and greenhouse. Not only are the flowers of striking beauty, but the foliage is also highly ornamental. The colors range through shades of pink, crimson, white, spotted, etc. Most of them are, moreover, delicately fragrant.

**Persicum (Finest Mixed)**—Price, per pkt., 15c.

**CYPRESS VINE (Ipomoea Quamoclit).**

**Climbing Annual**—Popular, elegant and graceful; different colors, scarlet and white; separate colors or mixed. Price, per packet, 5c.

**DAHLIA (Double Varieties)**—Although perennials, these will flower freely the same season from seed, producing large, double flowers of perfect form, and of rich colors and markings in greatest variety; indispensable for garden decoration; 4 to 6 feet.

**Choice Double Mixed**—Many colors. Pkt., 10c.

**Single Varieties**—From their grace and beauty are much used for cut flowers; handsome bedding plants, flowering in great profusion in a large variety of color; seeds sown in spring will produce plants that bloom from August until frost; 2 to 4 feet.

**Single Mixed Selfs and Striped**—Many colors; many striped and variegated. Price, pkt., 10c.

**DELPHINIUM, or LARKSPUR**—Well-known annuals of great beauty, and remarkable for the richness of their colors; are invaluable for large gardens; all the brightest and best colors mixed. Price, per packet, 5c.

**DIANTHUS (Pinks)**—A magnificent genus, embracing some of the most popular flowers in cultivation, producing a great variety of brilliant colors and profusion of bloom. The hardy biennials, or Chinese and Japanese varieties, bloom the first season the same as hardy annuals; height, 1 foot.

**Chinensis (China or Indian Pink)**—Extra double, all colors mixed. Price, per packet, 5c.

**Laciniatus, fl. pl. (Double Fringed Japan Pink)**—Large, double, showy flowers, with fringed edges, mixed various colors and beautifully striped. Price, per packet, 5c.

**DIGITALIS (Foxglove)**—H. P., 3 to 4 feet; hardy perennials, handsome ornamental plants of stately growth; spotted flowers. Price, per packet, 5c.

**ESCHSCHOLTZIA, or CALIFORNIA POPPY**—A showy, free-flowering genus of plants, bearing handsome, graceful foliage, and flowers of the richest colors. They bloom very early, and should be sown as soon as the ground can be prepared, where they are to remain, as they will not bear transplanting. Hardy annual, thriving best in light, warm soil; the emblem of our glorious State; mixed colors. Price, pkt., 5c.

**EVERLASTING FLOWERS**—These are very popular and desirable for winter decorations, bouquets, wreaths, etc.

**Acroclinium Roseum, fl. pl.**—Bright rose.

**Ammobium Alatum Grandiflorum**—Pure white.

**Gomphrena, Mixed (Bachelor's Buttons).**

**Helichrysum, Finest Mixed.**

**Rhodanthe, Finest Mixed.**

**Xeranthemum**—Leaves silvery, brilliant colors of purple, rose, and white flowers. Price, per packet of any variety, 5c.

**GAILLARDIAS**—The single Gaillardia has lately come into popularity; the flowers are greatly admired for their fine forms and rich blending of colors; they thrive everywhere; fine mixed. Price, per packet, 5c.

**GLOXINIA**—Easily grown under proper conditions, and one of the loveliest pot plants there is; the flowers are bell-shaped, and embrace every range of color and shade; mixed; 100 seeds. Price, per packet, 25c.

**GREVILLEA ROBUSTA**—Graceful decorative plants, with evergreen, fern-like foliage. Price, per packet, 10c.

**GYPHOPHILA, or**

**BABY'S BREATH**—

Graceful little plants that grow in any garden soil; indispensable for bouquets, vases, etc.; mixed. Pkt., 5c.

**GODETIA**—Beautiful, hardy annuals, with lovely flowers of marked delicacy of color; easily grown in any location; mixed. Price, per packet, 5c.



GODETIA.



GOURDS.

**GOURDS**—A vigorous class of plants with curiously formed and strangely colored fruit. It is necessary that the seed should be planted early, as it requires a whole season to mature some of the varieties; very desirable for covering old fences, stumps, arbors, etc. Price, per packet, 5c.

**HELIPANTHUS** (Sunflower)—Remarkable for size and brilliancy of their flowers, making a very good effect among shrubbery and for screens.

**Cucumerifolius**—“Stella.” Dwarf single sunflower. Price, per packet, 5c.

**Globosus fistulosus** (Globe Sunflower)—Yellow. Price, per packet, 5c.

**Mammoth Russian**—Single; very large. Price, per packet, 5c.

**Nanus variegatus**—Variegated leaves. Price, per packet, 5c.

**HELIOTROPE**—Favorite plants for bedding and pot culture; much prized on account of their delicious fragrance. Price, per packet, 10c.

**HOLLYHOCK** (*Althæa Rosea*)—Old-fashioned favorites which should be in every garden. Seeds should be sown in June or July to have flowering plants the next summer, or if sown in the house early in the spring they will bloom the first year. Height, 4 to 6 feet.

**Fine Mixed**—Including many colors. Pkt., 10c.

**Extra Choice Mixed**—From Chater's unrivaled collection. Price, per packet, 15c.

**IPOMOEA**—Rapid-growing plants with handsome, bright-colored, trumpet-shaped flowers; excellent for covering old walls, stumps, arbors, etc.

**Bona Nox** (Evening Glory, or Good-night), pkt. 5c.

**Heavenly Blue**—Price, per packet, 10c.

**Learly**—Price, per packet, 10c.

**Noctiflora** (Moonflower)—Price, per packet, 10c.

**LINUM** (Flowering Flax)—One of the most effective and showy bedding plants; hardy annual; flowers, crimson. Price, per packet, 5c.

**LOBELIA**—Beautiful class of plants, with delicate, drooping habit; the profusion of their flowers renders them ornamental for vases and hanging baskets, borders or ribbons; dark blue, light blue, or mixed. Price, each, 10c.

**ERINUS SPECIOSA** (Crystal Palace)—Of trailing growth; flowers of an ultramarine blue. Per packet, 10c.

**MARIGOLD**—Rugged growing, yet highly ornamental annuals for late flowering.

**African**—Large and

very double, ranging in color from pale yellow to deep orange.

Price, per packet, 5c.

**French**—Dwarf and compact, and a profuse bloomer; great improvement on the old variety. Pkt. 10c.

**MARVEL OF PERU**

(Four O'clock)—Few plants combine so much beauty, both of flowers and foliage; seeds to be planted where the plants are to remain; hardy annual; mixed colors. Price, per packet, 5c.

**MIGNONETTE** (*Reseda*)—Modest flowers of great popularity on account of their exquisite fragrance.

**Machet**—Price, per packet, 10c.

**Mile's Spiral**—Price, per packet, 5c.

**Sweet**—Price, per ounce, 15c; per packet, 5c.

**MIMOSA PUDICA** (Sensitive Plant)—A curious and interesting plant. Price, per packet, 5c.

**MIMULUS** (Monkey Flower)—Tender plants, with brilliantly-colored flowers, blotched and spotted in every conceivable manner.

**Tigrinus Grandiflorus**—Large-flowered, tigered and spotted varieties; mixed. Price, pkt., 10c.

**MIMULUS MOSCHATUS** (Musk Plant)—Leaves, musk-scented. Price, per packet, 5c.

**MYOSOTIS** (Forget-me-not)—A charming little plant; very popular; producing beautiful, star-like flowers in great profusion; they succeed best in moist situations; will flower the first season if sown early.

**Blue**—Price, per packet, 10c.

**Alba**—White. Price, per packet, 10c.

**NASTURTIUM** (Tall or Climbing Varieties)—Beautiful and luxuriant climbers, admirably adapted for rock work, trellises and arbors; of easiest culture; flowering profusely and remaining in bloom the entire season.

**Tall**—Mixed colors. Price, packet, 5c; ounce, 25c.

**Dwarf**—Mixed colors. Price, per packet, 5c; per ounce, 25c.

**NEMOPHILA**—Splendid for beds; bright-colored flowers, marked and spotted in shades of blue, white, and violet; finest mixed. Price, per pkt., 5c.

**NIGELLA** (Love-in-a-Mist)—A very interesting, free-flowering plant, with curious looking flowers and seed pods; grows freely in any garden soil. Flowers blue and white; annuals; mixed. Price, per pkt., 5c.

**ORNAMENTAL GRASSES**—These are very popular and desirable for



HELIOTROPE.



LOBELIA.



MIGNONETTE.

**ORNAMENTAL GRASSES—Continued.**

winter decorations, bouquets, wreaths, etc.

**Avena Sterilis** (Animated Oats).

**Briza Maxima** (Rattlesnake Grass).

**Coix Lachrymae** (Job's Tears).

**Eragrostis Elegans** (Love Grass).

**Gynierium Argenteum** (Pampas Grass).

**Stipa Pennata** (Feather Grass).

**Zea Japonica Variegata** (Variegated Japanese Maize). Price, per packet of any variety, 5c.



**PANSIES** (*Viola Tricolor*)—This is a great favorite with all flower gardens; seed sown in autumn produce earlier and better flowers than seeds sown in early spring; pansies in separate colors.

**Odier, or Five Blotched**—A beautiful strain, perfect in size and form of flowers, containing many beautiful colors; each of the five petals is marked with a large dark blotch; very effective. Price, per packet, 15c.

**Emperor William**—Large, handsome flowers, borne in great profusion well above the foliage; brilliant ultramarine blue, with a purple violet eye. Price, per packet, 10c.

**Striped and Mottled**—A very showy and rich strain; mixed colors. Price, per packet, 15c.

**"Fire King"**—A grand new novelty; golden yellow, the upper petals purple; very showy. Price, per packet, 15c.

**Faust** (King of the Blacks)—Almost black; the darkest pansy known. Price, per packet, 10c.

**Lord Beaconsfield**—A splendid sort; flowers deep purple violet, shading to white on the upper petals. Price, per packet, 10c.

**Snow Queen**—Very large, satiny white, light yellow center. Price, per packet, 10c.

**Good Mixed**—Price, per packet, 5c.

**German**—Finest mixed. Price, per packet, 10c.

**Capital Mixture**—An extra fine mixture of giant flowered and finely colored pansies. Price, per packet, 25c.

**Cassier's**—Very large flowered; seed saved from

largest-sized pansies; beautifully marked; a rich and showy strain. Price, per packet, 25c.

**Bugnot's Superb Blotched**—Extra large flowers, with very broad blotches, the two upper petals finely lined; refined shape and varied colors. Price, per packet, 25c.

**Trimardeau**—An altogether distinct and beautiful new race, the flowers of which are larger than any hitherto produced; each flower is marked with three large blotches or spots, and the plants produce an endless variety of beautiful shades. Price, per packet, 15c.

**Peacock**—Large flowering; slate blue, with white edge; fine addition to the pansy list. Price, per packet, 15c.

**Brown Red**—Various shades. Price, pkt., 10c.

**Black Blue**—Large flowering, new, very dark, striking, beautiful for bouquets. Packet, 15c.

**Meteor**—New, fiery brown-red; beautiful. Price, per packet, 15c.

**Sky Blue**—Lovely shade of light, nearly sky blue. Price, per packet, 5c.

**White**—Pure black center. Price, packet, 5c.

**Yellow (Golden)**—Pure black center; fine for bedding. Price, per packet, 5c.

**Azure Blue**—Bright sky blue. Price, pkt., 5c.

**Bronze**—Dark mahogany; shades fine. Price, per packet, 5c.

**Silver-Edged**—Dark purple, white edged. Price, per packet, 5c.

**Gold-Margined**—Price, per packet, 5c.

**PASSION FLOWER**—In favorable locations grows vigorously and produces magnificent flowers; blue or scarlet. Each, price, per packet, 10c.

**PENTSTEMON**—Beautiful perennials, with white, pink, scarlet, and blue flowers; handsomely mottled. Price, per packet, 10c.

**PERILLA NANKINENSIS**—Highly ornamental, having a beautiful metallic ebony purple foliage. Price, per packet, 5c.

**PETUNIA**—There is scarcely a class of plants to equal this, whether grown in pots to adorn the greenhouse or the sitting-room window, or planted out in beds and mixed borders; the brilliancy and variety of its colors, combined with the duration of its blooming period, render it invaluable. The plants are of easy culture and thrive well in any good garden soil.



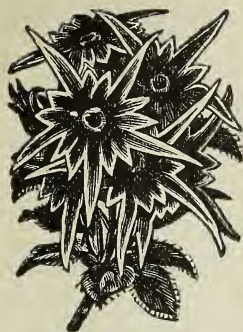
PETUNIA.

**Fine Mixed**—Single. Price, per packet, 5c.

**Striped and Blotched**—Single, mixed. Price, per packet, 10c.

**Giants of California**—Price, per packet, 15c.

**PHLOX DRUMMONDI**—There can be no stronger proof of the value and beauty of this than the extent to which it is grown. For beds and massing nothing can surpass these beautiful annuals; they produce immense trusses of large brilliant flowers of numberless hues throughout



STAR OF QUEDLINBURG PHLOX.

**PHLOX—Continued.**  
the summer;  $1\frac{1}{2}$  feet high.

**Mixed Colors**—Price, packet, 5c; ounce, 50c.

**Large Flowering Phlox**—An improved strain with very large, perfectly round flowers, the petals overlapping each other.

**Large Flowering, Mixed**—Price, pkt., 10c.

**Star-shaped Phlox**  
("Star of Quedlin-  
burg")—

Flowers are of regular star-like form; plant of compact habit, bearing large umbels of flowers; mixed colors. Price, per packet, 10c.

**POPPY**—A genus of showy, free-flowering plants, producing a rich and effective display in large, mixed borders; hardy annuals.

**Poppy, Double, Carnation-flowered**—Mixed colors. Price, per packet, 5c.

**Poppy, Double, Paeony-flowered**—Mixed colors. Price, per packet, 5c.

**Flag of Truce**—Large, pure white. Price, per packet, 10c.

**Peacock**—Cherry scarlet, black zone. Price, per packet, 5c.

**Shirley**—Mixed colors, splendid. Price, per packet, 10c. Single, mixed. Price, per packet, 5c.



POPPIES, MIXED.

**PORTULACA**—This is one of the most charming annuals of easy culture; blooms best in light, sandy soil, and will stand the hottest sun if well watered; fine for bedding.

**Grandiflora**—Single mixed, many colors. Price, 5c.

**Grandiflora**—Double rose-flowered; extra mixed. Price, 10c.

**PRIMULA SINENSIS FIMBRIATA** (Fringed Chinese Primrose)—A profuse-flowering, charming greenhouse plant, well adapted for decorative purposes.

**Single**—All colors mixed (50 seeds). Price, 15c.

**Double**—All colors mixed. Price, 25c.

**PYRETHRUM AUREUM** (Golden Feather)—Bright golden yellow foliage; largely used for edging. Price, 5c.

**RICINUS** (Castor-oil Plant)—Ornamental, rapid-growing annuals with palm-like leaves; splendid for grouping or single specimens on the lawn.

**SALPIGLOSSIS**—Handsomely marked flowers, varying in tint from creamy white to purple. Price, 5c.

**SALVIA** (Flowering Sage)—One of our handsomest summer and autumn flowering plants, when they are literally ablaze with brilliant flowers; very effective for massing on the lawn, or for ribbon beds.

**Splendens** (Scarlet Sage).—Beautiful fiery scarlet. Price, 5c.

**SAPONARIA CALABRICA**—Pink; for beds or rockeries. Price, per packet, 5c.

**Scabiosa** (Pincushion Flower)—Dwarf double mixed. Price, per packet, 5c.

**SCHIZANTHUS** (Butterfly, or Fringe Flower)—All colors mixed. Price, per packet, 5c.

**SILENE** (Catchfly)—Bright-colored, free-flowering annuals; mixed. Price, per packet, 5c.

**SMILAX**—Well-known climber, much used by florists and for house decoration. Price, per packet, 5c.

**STOCKS, German Ten-Weeks**—A well-known and much-admired plant; possessed of great beauty and variety of color.

**Cut-and-Come-Again**—Produces pure white flowers from early spring to late fall, and frequent cutting seems to make them come faster. Price, 10c.

**Giant Perfection**—Mixed colors. Price, 10c.

**Perpetual-flowering**—A superb variety; choice mixed. Price, 10c.

**SWEET PEAS**—The following list has been pronounced by one of the sweet pea specialists of California as containing the most worthy sorts of all the many varieties in cultivation. For perfection of bloom and magnitude they are second to none on the coast.

**America**—Red and white variegated; very pronounced.

**Blanche Burpee**—Pure white; an ideal type.

**Blanche Ferry, Extra Early**—Pink and white; earliest of all sweet peas.

**Capt. Clarke**—White, carmine-pink, and purple; one of the few tricolor varieties.

**Captivation**—Magenta-tinted; the only variety of that color.

**Capt. of the Blues**—Nearest approach to a true blue.

**Celestial**—Bluish-mauve; very refined.

**Crown Jewel**—Violet-rose and pink, delicately blended with cream.

**Cupid**—Dwarf; pure white; six inches high.



SALPIGLOSSIS.

**Duchess of York**—Pale pink and creamy white; variegated, large.

**Emily Eckford**—Reddish-mauve; of fine form.

**Emily Henderson**—Best white for cut flowers; extra long stemmed.

**Gray Friar**—Speckled chocolate-mauve, on white ground.

**Her Majesty**—Par excellence among rose-pink selfs.

**Katherine Tracy**—Pure pink, with explanate standards.

**Lady Beaconsfield**—Pale salmon-rose standards; wings, rich primrose.

**Lady Penzance**—Most delicate and elegant rose-orange.

**Lemon Queen**—Buds tinged with yellow, pale creamy pink when open, fading to white.

**Little Dorrit**—Pink and white; large, finely explanate.

**Lottie Eckford**—Porcelain effect of blue and heliotrope on white ground; prettily edged.

**Mars**—Crimson, as intense as found in any flower.

**Meteor**—Bright orange-salmon, tinged with rose.

**Mrs. Eckford**—An approach to softest yellow.

**Mrs. Joseph Chamberlain**—Rose stripes and flakes on white ground; form perfect.

**Prima Donna**—Best pink self extant.

**Princess May**—A pure mauve that holds its color.

**Royal Rose**—Rich gradations of rose.

**Senator**—Dark variegated chocolate-purple on white ground.

**Stanley**—Deep maroon, with glossy standards; very dark.

**Venus**—Mingling of pink, salmon, and rose-buff; extremely rich in effect.

The above may be had at the uniform figures of 5c per packet, 10c per ounce, \$1.00 per pound.

**Eckford's Finest Mixture**—This mixture contains about seventy of all the finest colors, thoroughly mixed; when grown beside a fence the gorgeousness of the bloom is magnificent; every one should try this mixture. Price, per large packet, 5c; per ounce, 10c; per pound, \$1.00.



SWEET WILLIAM.

**SWEET WILLIAM**—They make matchless border plants, with heads of bloom of great size and wonderful beauty; should be in every garden; height, one and a half feet; fine double mixed. Price, per packet, 10c.

**VERBENA, MAMMOTH**—When well grown, the single flowers of this splendid strain are large enough to cover a 25-cent piece. Best colors mixed. Price, per packet, 15c.

**Common Mixed**—Price, per packet, 5c.

**VIOLET, Viola odorata**—A well-known favorite, much admired for the delicate fragrance of its flowers and its profusion of bloom; suitable for edgings and borders, doing best in a cool, sheltered situation; hardy perennial; sweet-scented blue. Price, per packet, 10c.

**Viola odorata**—Sweet scented, white. Price, per packet, 10c.

**The Czar**—Light violet; very large. Price, per packet, 10c.

**WALLFLOWER (Fine German Double)**—Mixed; spikes of deliciously fragrant double flowers, combining many shades of color, chocolate and orange-purple predominating. Price, per packet, 10c.

**Single, Mixed**. Price, per packet, 5c.




**ZINNIAS**—No flowers are more easily grown from seed sown in the open ground, and few bloom so continuously throughout the entire summer.

**Choice Double, Mixed**—All colors. Price, per packet, 5c.



ZINNIAS.

~ ~ ~ WE DEAL IN ~ ~ ~

Tree Seeds, Trees,    
  Bulbs and Plants

Particulars and Prices on Application

# USEFUL TABLES.

## Quantity of Seed Required to Sow an Acre of Ground.

	Pounds.		Pounds.
Grass, Timothy.....	20	Vetches—broadcast.....	150
Grass, Mesquit, in the chaff.....	30	Hemp—broadcast.....	30 to 50
Grass, Hungarian.....	40	Flax, when wanted for the seed....	50
Grass, Millet.....	40	Flax, when wanted for the fiber....	80
Grass, Mixed Lawn.....	75	Beans, Dwarf or Bush—hills and drills.....	80
A much larger quantity of seed is required to make a close, fine lawn than for other purposes.			
Grass, mixed for mowing or grazing. { Clover.....	8	Beans, Tall or Pole—hills.....	20
		Beets—drills.....	5 to 6
		Broom Corn—drills.....	15
		Buckwheat—broadcast.....	45
		Cabbage, in beds to cover an acre after transplanting.....	¼
Grass, Kentucky Blue, for pasture..	30	Carrots—drills.....	3 to 4
Grass, Kentucky Blue, for lawn..	75	Cucumber—hills.....	2
Grass, Orchard.....	30	Melon, Water—hills.....	2 to 3
Grass, English or Australian Rye, meadow.....	50	Melon, Cantaloupe—hills.....	3 to 4
Grass, English or Australian Rye, lawn.....	75	Onions, Black Seed—drills.....	5 to 6
Grass, Italian Rye.....	30 to 40	Onions, Top Set—drills.....	200
Grass, Redtop.....	30	Onions, Black Seeds, for bottom sets	60
Alfalfa, or Lucerne.....	20 to 25	Parsnips—drills.....	6
Clover, Red alone—broadcast.....	15 to 20	Peas—drills.....	100
Clover, White alone—broadcast.....	12	Peas—broadcast.....	180
Clover, Alsike—broadcast.....	10	Potatoes—hills.....	500 to 600
Barley—broadcast.....	125 to 150	Pumpkins—hills.....	5
Oats—broadcast.....	80	Radishes—drills.....	8
Rye, broadcast.....	100	Sage—drills.....	8
Wheat—broadcast.....	125	Spinach—drills.....	15
Wheat—drills.....	90	Squash, bush varieties—hills.....	5
Corn, Sweet, or Field—hills.....	15	Squash, running varieties—hills...	3
Corn, to cut green for fodder—drills or broadcast.....	150	Tomatoes, in beds to transplant....	¼
		Turnip and Rutabaga—drills.....	1½
		Turnip and Rutabaga—broadcast ..	3

## Quantity of Seed Required to Produce a Given Number of Plants, or Sow Certain Quantity of Ground.

Artichoke.....	1 ounce to 500 plants	Lettuce.....	1 ounce to 3,000 plants
Asparagus..1 oz. to 60 ft. of drill or 500 plants		Melon, Water.....	1 ounce to 30 hills
Beans, Dwarf.....	1 pound to 50 feet of drill	Melon, Musk.....	1 ounce to 50 hills
Beans, Tall.....	1 pound to 75 hills	Okra.....	1 ounce to 50 feet of drill
Beets.....	1 ounce to 50 feet of drill	Onion Seed.....	1 ounce to 100 feet of drill
Broccoli.....	1 ounce to 2,000 plants	Onion, top set.....	1 pound to 20 feet of drill
Brussels Sprouts.....	1 ounce to 2,000 plants	Parsnips.....	1 ounce to 200 feet of drill
Cabbage.....	1 ounce to 2,000 plants	Parsley.....	1 ounce to 150 feet of drill
Carrots.....	1 ounce to 150 feet of drill	Peas.....	1 pound to 50 feet of drill
Cauliflower.....	1 ounce to 2,000 plants	Pepper.....	1 ounce to 1,000 plants
Celery.....	1 ounce to 3,000 plants	Pumpkin.....	1 ounce to 30 hills
Chicory.....	1 ounce to 100 feet of drill	Radish.....	1 ounce to 100 feet of drill
Corn.....	1 pound to 100 hills	Salsify.....	1 ounce to 70 feet of drill
Cress.....	1 ounce to 100 feet of drill	Sage.....	1 ounce to 150 feet of drill
Cucumber.....	1 ounce to 75 hills	Spinach.....	1 ounce to 100 feet of drill
Egg Plant.....	1 ounce to 1,000 plants	Squash, Early.....	1 ounce to 50 hills
Endive..1 oz. to 150 ft. of drill, or 3,000 plants		Squash, Winter.....	1 ounce to 10 hills
Kale.....	1 ounce to 2,000 plants	Tomato.....	1 ounce to 3,000 plants
Kohl Rabi.....	1 ounce to 2,000 plants	Tobacco.....	1 ounce to 10,000 plants
Leek.....	1 ounce to 150 feet of drill		

## Table Showing Number of Plants or Trees to the Acre at Given Distances.

Distance Apart.	No. Plants.	Distance Apart.	No. Plants.	Distance Apart.	No. Plants.	Distance Apart.	No. Plants.
3 in. x 3 in.....	696,960	3 ft. x 3 ft....	4,840	5 ft. x 5 ft....	1,742	14 ft. x 14 ft...	222
4 in. x 4 in.....	392,040	3½ ft. x 3½ ft...	3,555	5½ ft. x 5½ ft...	1,417	15 ft. x 15 ft...	193
6 in. x 6 in.....	174,240	4 ft. x 1 ft....	10,890	6 ft. x 6 ft....	1,210	16 ft. x 16 ft...	170
9 in. x 9 in.....	77,444	4 ft. x 2 ft....	5,445	6½ ft. x 6½ ft...	1,031	16½ ft. x 16½ ft...	160
1 ft. x 1 ft....	43,560	4 ft. x 3 ft....	3,630	7 ft. x 7 ft....	881	17 ft. x 17 ft...	150
1½ ft. x 1½ ft...	19,360	4 ft. x 4 ft....	2,722	8 ft. x 8 ft....	680	18 ft. x 18 ft...	134
2 ft. x 1 ft....	21,780	4½ ft. x 4½ ft...	2,151	9 ft. x 9 ft....	537	19 ft. x 19 ft...	120
2 ft. x 2 ft....	10,890	5 ft. x 1 ft....	8,712	10 ft. x 10 ft...	435	20 ft. x 20 ft...	108
2½ ft. x 2½ ft...	6,960	5 ft. x 2 ft....	4,356	11 ft. x 11 ft...	361	25 ft. x 25 ft...	69
3 ft. x 1 ft....	14,520	5 ft. x 3 ft....	2,904	12 ft. x 12 ft...	302	30 ft. x 30 ft...	48
3 ft. x 2 ft....	7,260	5 ft. x 4 ft....	2,178	13 ft. x 13 ft...	257		

**RULE.**—Multiply the distance in feet between the rows by the distance the plants are apart in the rows, and the product will be the number of square feet for each plant or hill, which, divided into the number of square feet in an acre (43,560), will give the number of plants or trees to the acre.

# PACIFIC SEED —AND— PLANT COMPANY



CINERARIA



PANSY, LARGE FLOWERING

1899						
JANUARY						
S	M	T	W	T	F	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31	...	...	...	...
FEBRUARY						
S	M	T	W	T	F	S
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6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	...	...	...	...	...
MARCH						
S	M	T	W	T	F	S
...	...	1	2	3	4	5
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13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31	...	...
APRIL						
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MAY						
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1899						
JULY						
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AUGUST						
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SEPTEMBER						
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24	25	26	27	28	29	30
OCTOBER						
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NOVEMBER						
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20	21	22	23	24	25	26
27	28	29	30	...	...	...
DECEMBER						
S	M	T	W	T	F	S
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10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31	...	...	...	...	...	...



ASTERS

## D. DIERSSEN COMPANY

PROPRIETORS

Sacramento,  
California